XR-5040/5050/5051/5052

SERVICE MANUAL

AEP Model
XR-5050/5051/5052

E Model
XR-5040/5050

Model Name Using Similar Mechanism	ES-R400, XR-4040
Tape Transport Mechanism Type	MG-36AV-32

SPECIFICATIONS

Power amplifier section
Outputs — Speaker outputs (sure seal connectors)
Speaker Impedance — 3.2-8ohms
Maximum power output — 25W+25W (at 4ohms) *
*Measured at 14.4V

Cassette player section
Tape track — 4-track 2-channel stereo
Frequency response — 30-16,000Hz
Signal-to-noise ratio — With type Ⅱ, Ⅳ cassette 58dB
With type Ⅰ cassette 55dB
Wow and flutter — 0.13% (WRMS)

Tuner section
System — Superheterodyne tuner
Computerized quartz-locked synthesizer sysyem
Antenna terminal — External antenna connector

FM tuner section
Tuning range — XR-5050 (AEP) /5051/5052 : 87.5-108MHz
XR-5040/5050 (E) : 87.9-107.9MHz
Usable sensitivity — 13.5dBf (75ohms)
Selectivity — 75dB at 400kHz
Signal-to-noise ratio — 66dB (stereo), 69dB (mono)
Harmonic distortion at 1kHz — 0.9% (stereo), 0.5% (mono)
Separation — 35dB at 1kHz
Frequency response — 30-15,000Hz
Capture ratio — 2dB

AM (MW/LW) tuner section
Tuning range — XR-5040/5050 (E) : 530-1,610kHz (at 10kHz step)
531-1,602kHz (at 9kHz step)
XR 5050 (AEP) /5052 : 531-1,602kHz
XR-5051 : MW531-1,602kHz
LW153-281kHz
Sensitivity — XR-5050/5052/5040 : 34 μV
XR-5051 MW : 34 μV
LW : 68 μV

Genaral
Tone controls — Bass±8dB at 100Hz
Treble : ±8dB at 10kHz
Loudness — +10dB at 100Hz
+6dB at 10kHz
Output lead — Power antenna relay control lead
Power requirements — 12V DC car battery (negative ground)
Dimensions — Approx. 178×50×165mm (w/h/d) not incl. projecting parts and controls
Mounting dimensions — Approx. 182×53×145mm (w/h/d) not incl. projecting pats and controls
Weight — Approx. 1.4kg
Accessories supplied — Mounting hardware (1 set)

Design and specifications subject to change without notice.

MICROFILM

FM/AM CASSETTE CAR STEREO

SONY®

FEATURES

Tuner section
- **SSIR (Sony Super Interference Rejection) PLL synthesizer tuner** allows precise tuning.
- **Memory preset tuning** allows you to store 6 stations for each band in memory.

Cassette deck section
- **The auto-reverse function** changes the tape direction automatically.

Power amplifier section
- **Fader control** for playback with a 4-speaker system.

General
- **Slide out security bracket** allows you to take the unit away with you when you leave your car.
- **Traffic information broadcast** can be received. (XR-5052 only)

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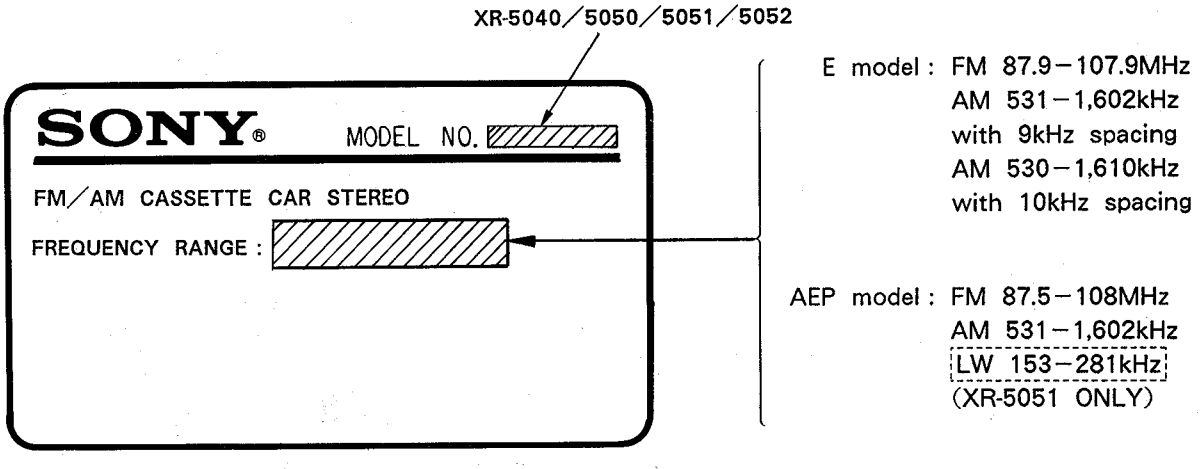
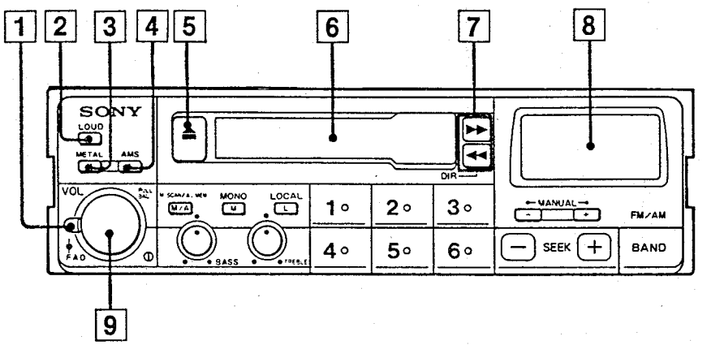
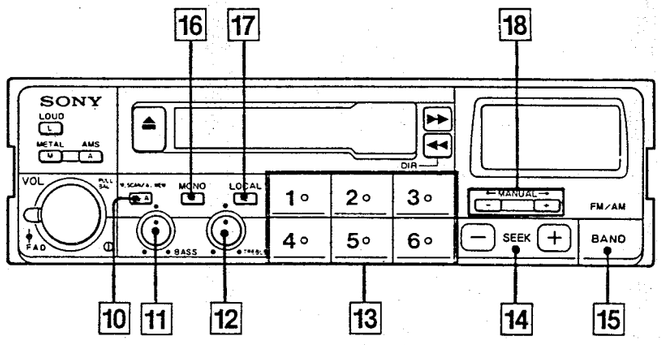
MODEL IDENTIFICATION

—Specification Label—



1-1. LOCATION AND FUNCTION OF CONTROLS





[1] **FAD (fader) control**
Turn clockwise to decrease the volume of the rear speakers or counterclockwise to decrease the volume of the front speakers.

[2] **LOUD (loudness) button**
Press to reinforce bass and treble especially when listening at low level. When you activate the button, it turns to green. To disengage the button, press it again.

[3] **METAL button**
Press this button when you listen to Metal (TYPE IV) or CrO_2 (TYPE II) tapes. When you activate the button, it truns to green while playing back a tape. To listen to normal (TYPE I) tapes, press again to disengage the button.

[4] **AMS* button**
*Automatic Music Sensor

[5] **⏏ (eject) button**
Press to stop the tape and take out the cassette.

[6] **Cassette insertion door**

[7] **◀◀/▶▶ (fast winding) buttons/DIR (tape transport direction change) buttons**
During playback, depress ◀◀ or ▶▶ for fast winding, or press both ◀◀ and ▶▶ simultaneously to listen to the other side of the cassette.

[8] **Display window**

[9] **Power on/off switch/VOL (volume) control/PULL BAL (balance) control**

Power on/off switch	Press to turn on and off the unit.
VOL control	Turn clockwise to increase volume and counterclockwise to decrease.
PULL BAL control	While pulling the control, turn to adjust the balance of the left and the right channel output.

[10] **M.SCAN (memory scan) /A.MEN (automatic memory) button**

Function	
M.SCAN	Press for a moment to scan the preset stations automatically.
A.MEM	Press for more than two seconds to memorize the stations automatically.

[11] **BASS control**

[12] **TREBLE control**

[13] **Preset buttons**

[14] **SEEK −/+ button**
Press −side to search stations in lower frequencies and +side to search stations in higher frequencies.

[15] **BAND selector**
Press to select the desired band. FM1, FM2, or AM (FM1, FM2, MW or LW for XR-5051)

[16] **MONO (monaural) button**
Press to reduce noise during reception of a weak FM stereo program. To listen to in stereo, press it again.

[17] **LOCAL (Local seek) button (for XR-5040, XR-5050, XR-5051)**
Seeks and tunes in a next higher frequency station automatically when the received station is too weak.
SDK (traffic information) button (for XR-5052)
Press to receive traffic informations.

[18] **MANUAL −/+ button**
Press to tune in the desired station manually.

1-2. CONNECTIONS

Supplied Mounting Hardware

The numbers in the list are keyed to those in the instructions.

XR-5040 :

① 3-323-219-01 ×1	② 3-339-403-01 ×2	③ 3-323-206-01 ×1	④ 3-310-655-01 ×1
⑤ 3-323-210-01 ×1	⑥ 3-323-208-11 ×1		

XR-5050/5051/5052 :

① 3-310-655-01 ×1	② 3-323-210-01 ×1	③ 3-323-208-11 ×1	④ 7-682-583-04 ×1
⑤ 7-684-025-04 ×1	⑥ 3-302-126-01 ×1	⑦ X-3320-524-1 ×4	⑧ 3-323-209-01 ×1

XR-5040 : Installation

Basic Installation

1
Remove the transit lock by turning it 90°.

2
160mm
50mm

3
Bend these claws, if necessary.

4

5
(rear)
Make the arrow point upward.

Power Cord Attachment

To remove, push in the clips, and pull it out.
Clip

To Support the Unit

Example 1
Fire wall

Example 2
Dashboard
Fire wall

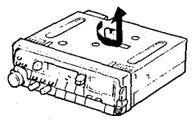
Installation

Precautions

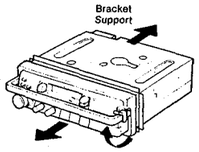
- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it should be subject to high temperatures, such as from direct sunlight or from hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

To Install the Unit in the Dashboard

1 Remove the transit lock by turning it 90°.

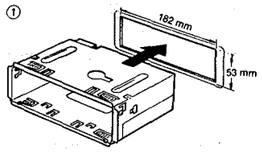


2 Remove the bracket.

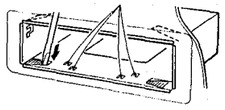


3 Install the bracket in the dashboard.

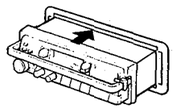
① 182 mm, 53 mm



② Bend these claws, if necessary.



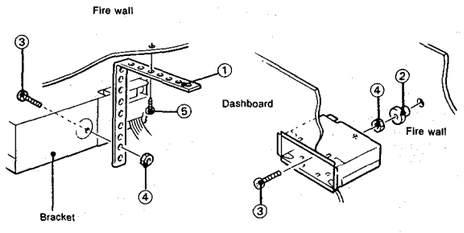
4 Secure the unit.



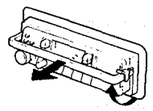
Push in the unit until it is locked firmly.

To Support the Unit

Example 1 Example 2



To Remove the Unit



This prevents your car stereo set from being stolen.

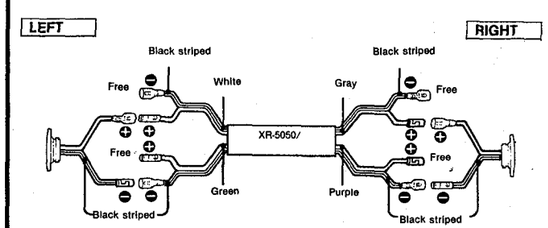
Connections

Caution

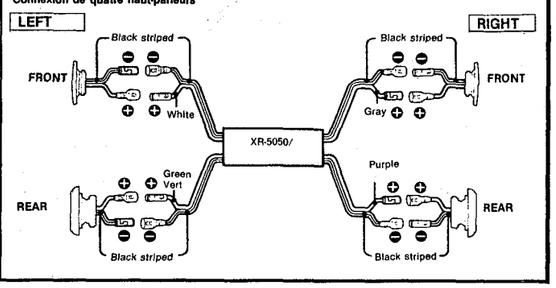
- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **red** power input lead only after all other leads are connected. And be sure to connect it to the positive 12 V power terminal. It will be energized when the ignition key is set to the accessory position.
- **Run all ground wires to a common ground point.**

Speaker Connection

2-speaker connection



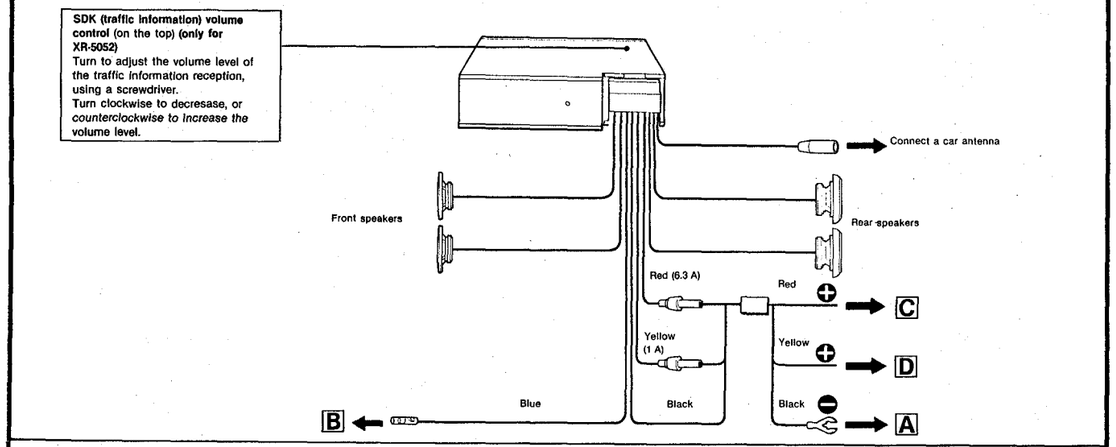
4-speaker connection
Connexion de quatre haut-parleurs



Notes on speaker connection
- Use speakers with an impedance of 3.2 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.

XR-5050/5051/5052

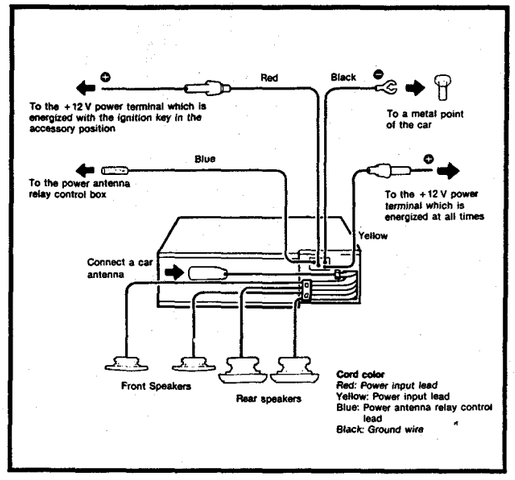
Connection Diagram



A: To a metal point of the car
B: To the power antenna relay control box
C: To the +12 V power terminal which is energized with the ignition key in the accessory position
D: To the +12 V power terminal which is energized at all times

Cord color
Red: Power input lead
Yellow: Power input lead
Blue: Power antenna relay control lead
Black: Ground wire

XR-5040 : Connection Diagram

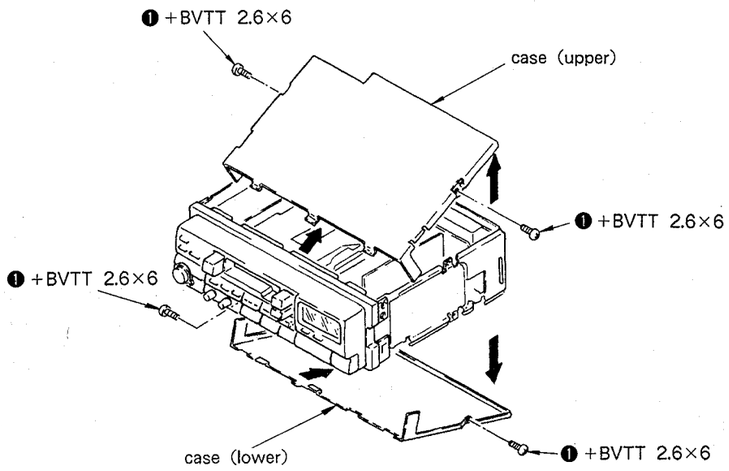

Red
Black
To the +12 V power terminal which is energized with the ignition key in the accessory position
To a metal point of the car
Blue
To the power antenna relay control box
To the +12 V power terminal which is energized at all times
Yellow
Connect a car antenna
Front Speakers
Rear speakers

Cord color
Red: Power input lead
Yellow: Power input lead
Blue: Power antenna relay control lead
Black: Ground wire

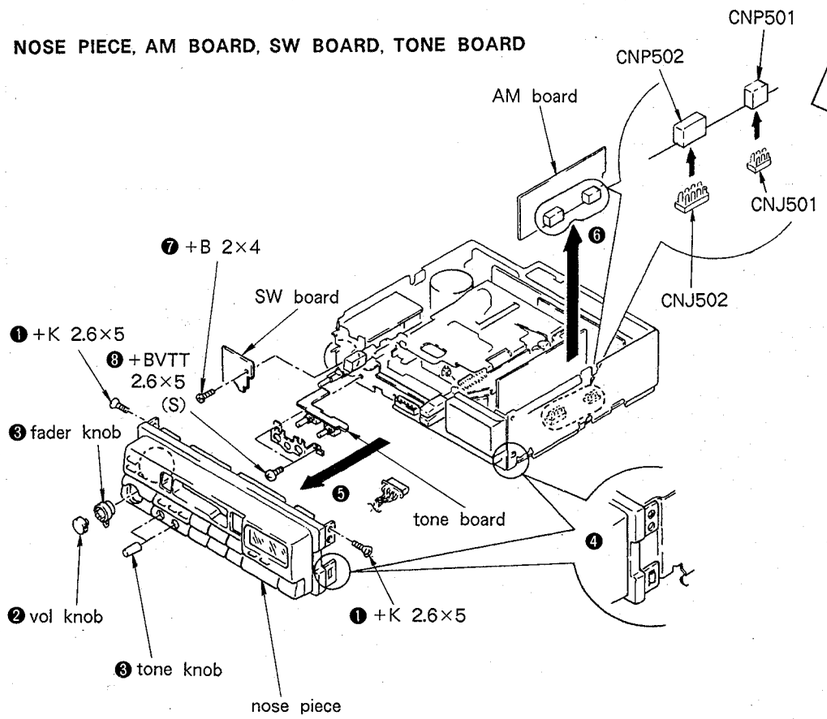
SECTION 2
DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

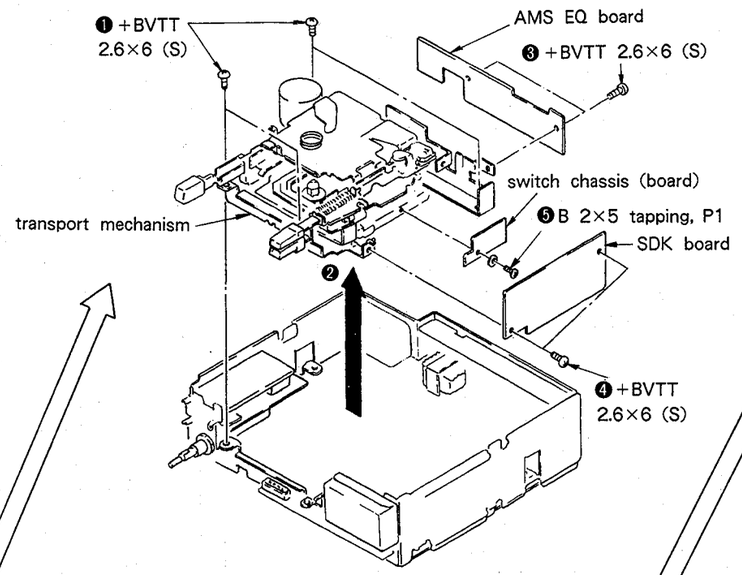
CASE (UPPER, LOWER)



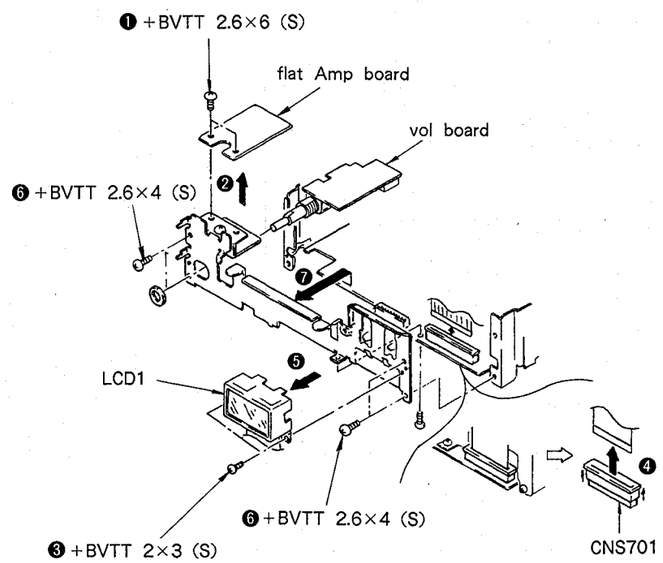
NOSE PIECE, AM BOARD, SW BOARD, TONE BOARD



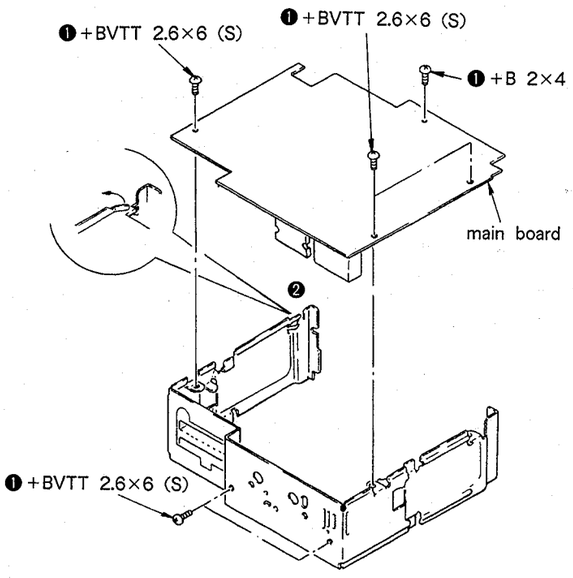
TRANSPORT MECHANISM, AMS EQ BOARD, SWITCH CHASSIS (BOARD), SDK BOARD



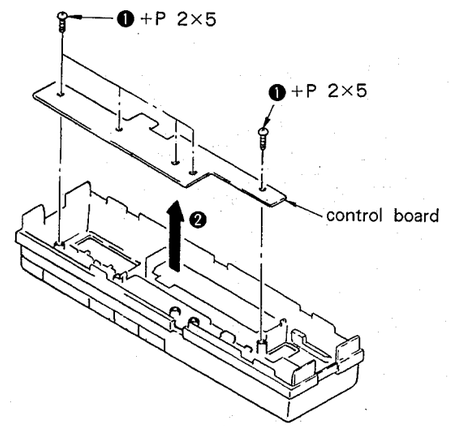
FLAT AMP BOARD, VOL BOARD, LCD1



MAIN BOARD



CONTROL BOARD



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENT

No mechanical adjustments applied to this unit.

● **Torque Measurement**

Mode	Torque Meter	Torque
FWD	CQ-102B	40 to 80 g · cm (0.56 to 1.11 oz · inch)
REV	CQ-102RB	
FF	CQ-201A	55 to 150 g · cm (0.76 to 2.08 oz · inch)
REW		

3-2. ELECTRICAL ADJUSTMENTS

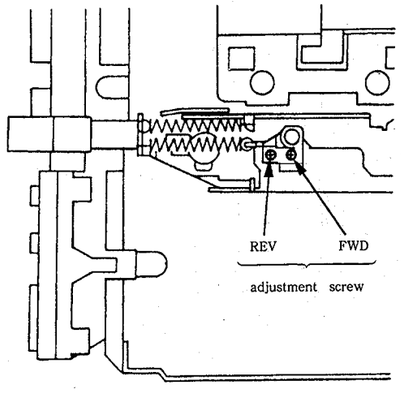
Note : The adjustment should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

- Power-supply voltage is +14.4V DC as per Ad Hoc recommendation.
- Switches and controls should be set as follows unless otherwise specified.

PUSH RADIO switch : RADIO
PULL BALANCE control : center click

TAPE SECTION

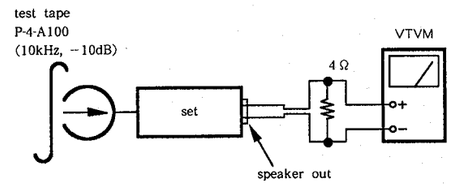
Adjustment Location :



Playback Head Azimuth Adjustment

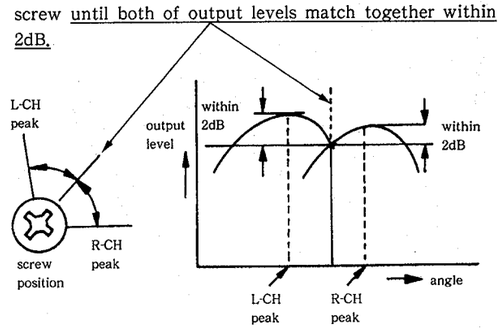
Procedure :

1. Mode : playback

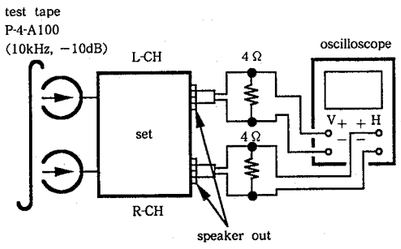


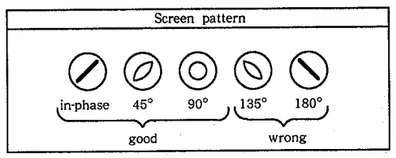
Adjust for forward (▶) direction and reverse (◀) direction.

2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2dB.



3. Phase Check
Confirm that phase difference between L-channel and R-channel is within 90° .



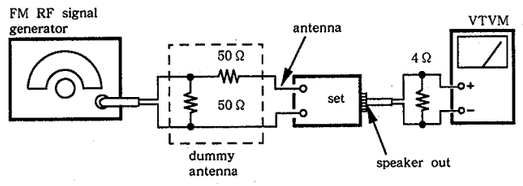


4. Repeat the above adjustment for reverse playback mode.
5. After the adjustment, lock the screw with locking compound.

FM SECTION

FM Stereo Separation Adjustment

Setup :
BAND : FM Stereo
Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 70dB (3.15mV)
Modulation : 1kHz
main : 33.75kHz dev.
sub : 33.75kHz dev.
19kHz pilot : 7.5kHz dev.

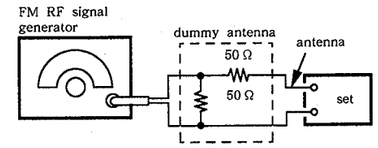
Procedure :
Adjust RV3 for a best stereo separation.

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV3 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV3 for minimum reading.

L-CH stereo separation : Ⓐ - Ⓑ
R-CH stereo separation : Ⓒ - Ⓓ
The separations of both channels should be equal.

Stereo Auto Hi-blend Adjustment

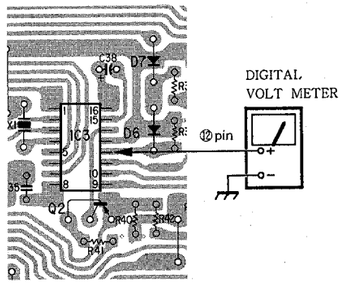
Setup :
BAND : FM Stereo
Frequency : 98.0MHz



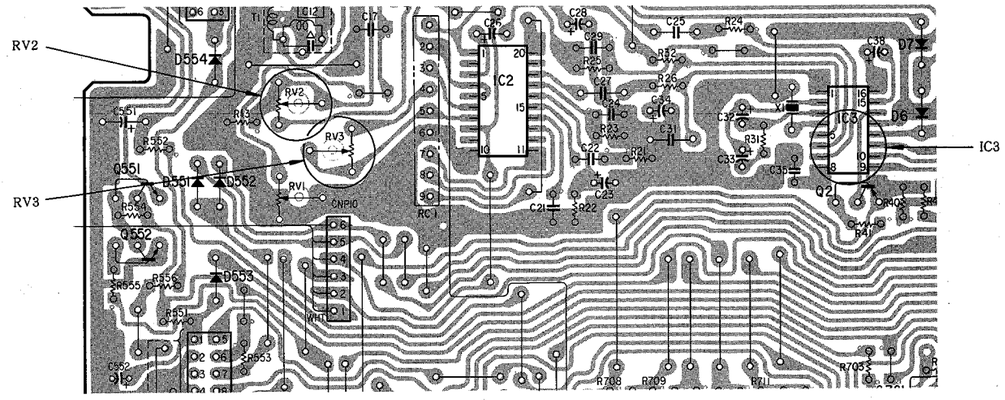
Carrier frequency : 98.0MHz
Mode : monaural, no modulation
Output level : 40dB (100 μ V)

Procedure :
Adjust RV2 so that voltage at terminal ⑫ of IC3 is 0.6V when the FM rf signal generator is L-ch or R-ch output only.

Adjustment Location : main board



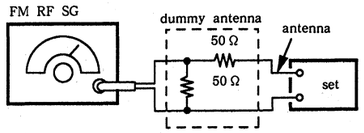
Adjustment Location : main board



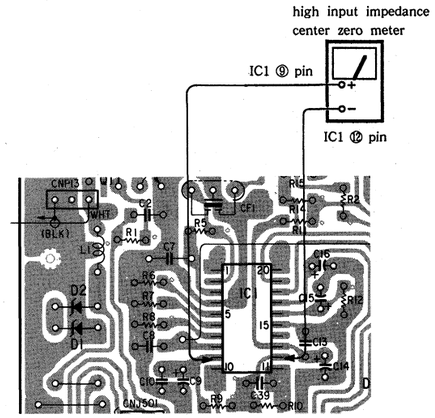
FM Discriminator Adjustment

Setting :

BAND : FM MONO



Carrier frequency : 98.0MHz
Output level : 60dB (1mV)
Modulation : 1kHz, 75kHz deviation (100%)



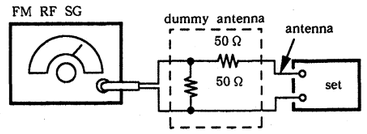
Procedure :

1. Slowly adjust the core of T1 to obtain a zero (0) V reading on high impedance center zero meter.

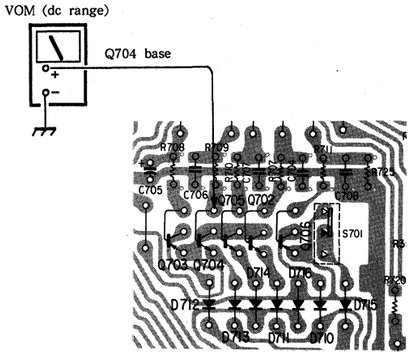
FM Auto-scan Stop Level Adjustment

Setup :

Band switch : FM MONO
Frequency : 98.0MHz



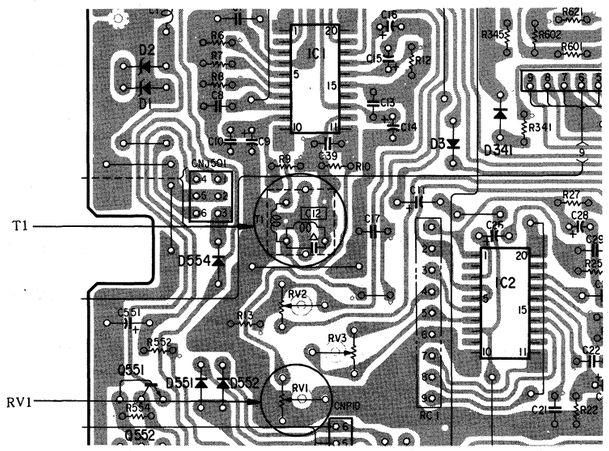
Carrier frequency : 98.0MHz
Modulation : no modulation
Output level : 25dB (18 μ V)



Procedure :

1. Adjust RV1 at the point where the VOM reading changes from low to high.
2. Confirm that the set stops auto-scanning with FM RF SSG output level set at 25±2dB.
   Confirm that the set does not stop auto-scanning at level of (stop level+1) dB.

Adjustment Location : Main board



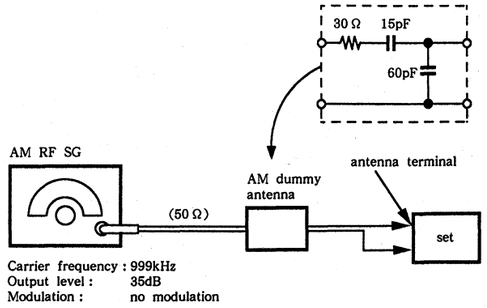
AM SECTION

AM Auto-scan Stop Level Adjustment

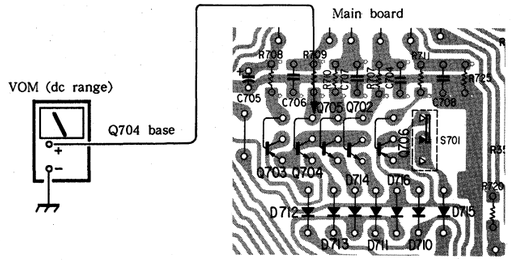
Note : Be sure to perform this adjustment after "FM Auto-scan Stop Adjustment".

Setup :

Band : MW
Frequency : 999kHz



Carrier frequency : 999kHz
Output level : 35dB
Modulation : no modulation

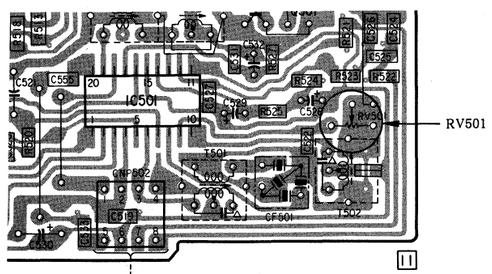


Procedure :

1. Adjust RV501 at the point where the VOM reading changes from low to high.
2. Confirm that the set stops auto-scanning with AM RF SG output level set at 35±2dB.
   Confirm that the set does not stop auto-scanning at level of (stop level+1) dB.

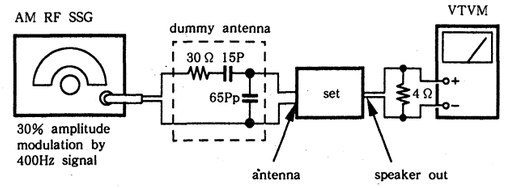
Note : When adjusting connect Q701 base to the ground.

Adjustment Location : AM board



AM IF, Tracking Coverage Adjustment

Setup :



AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T501, 502	450kHz

MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T504, 505	603kHz
CT502, 503	1,404kHz

MW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T507	531kHz
CT501	1,602kHz

XR-5051 ONLY

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T503, 506	164kHz

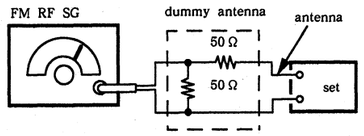
LW FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T508	153kHz

Adjustment Location : AM board

ARI SENSITIVITY ADJUSTMENT (XR-5052 ONLY)

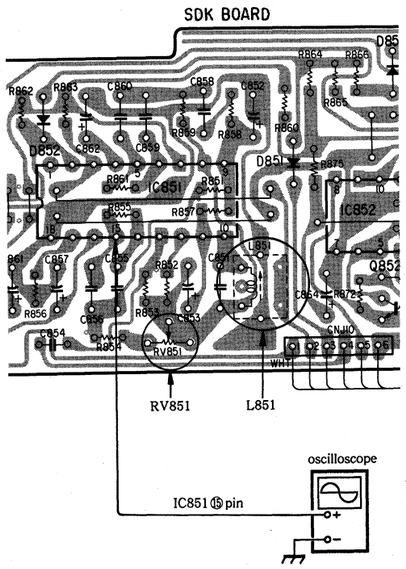
Setup :

BAND : FM MONO
Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 60dB (1mV)
Modulation : 1kHz, 75kHz deviation (100%)

Adjustment Location : SDK board



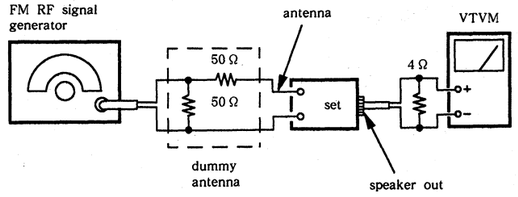
Procedure :

1. Connect the oscilloscope to pin ⑮ of IC851.
2. Turn ON the SDK button and adjust the frequency to 98.0MHz.
3. Adjust L851 and RV851 so that the waveform of the oscilloscope becomes maximum (min. 1V).

ARI VOLUME ADJUSTMENT (XR-5052 ONLY)

Setup :

BAND : FM MONO
Frequency : 98.0MHz

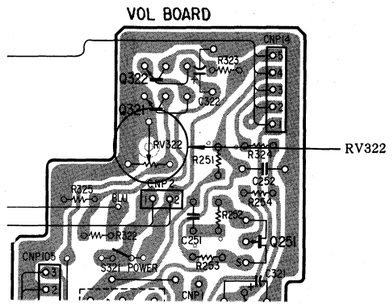


Carrier frequency : 98.0MHz
Output level : 60dB (1mV)
Modulation : 1kHz, 75kHz deviation (100%)

Procedure :

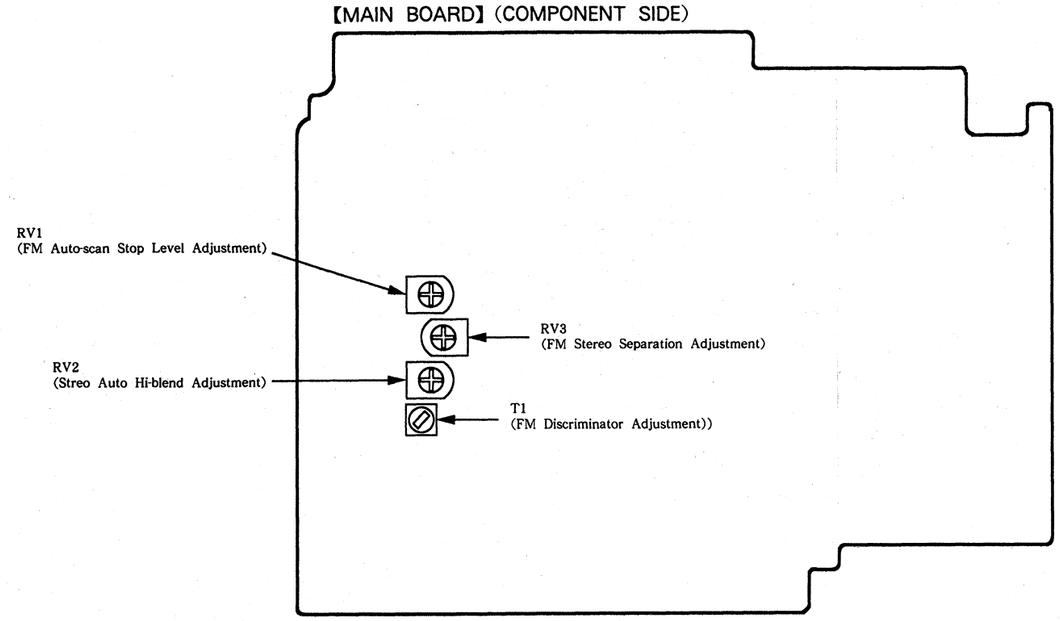
1. Set the volume to Min (counter-clockwise direction) and turn ON the SDK button. (The scanning starts and stops at 98MHz.)
2. Adjust RV322 so that the reading of the VTVM becomes 5dB±3dB.

Adjustment Location : VOL board

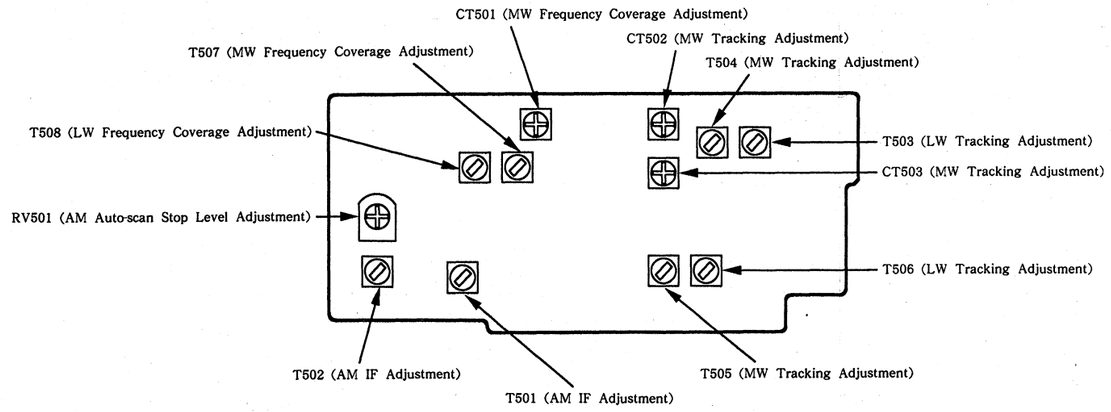


ADJUSTMENT LOCATION

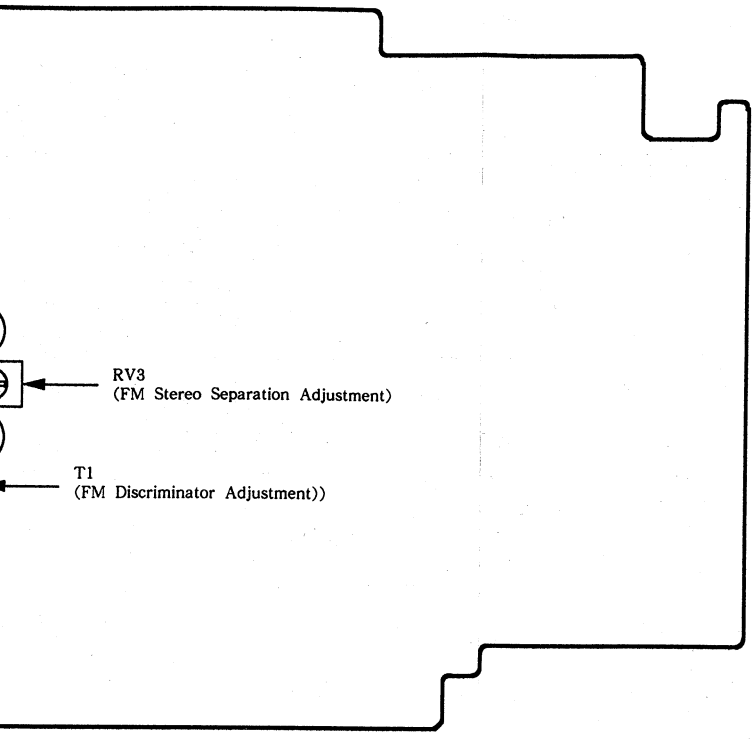
【MAIN BOARD】(COMPONENT SIDE)



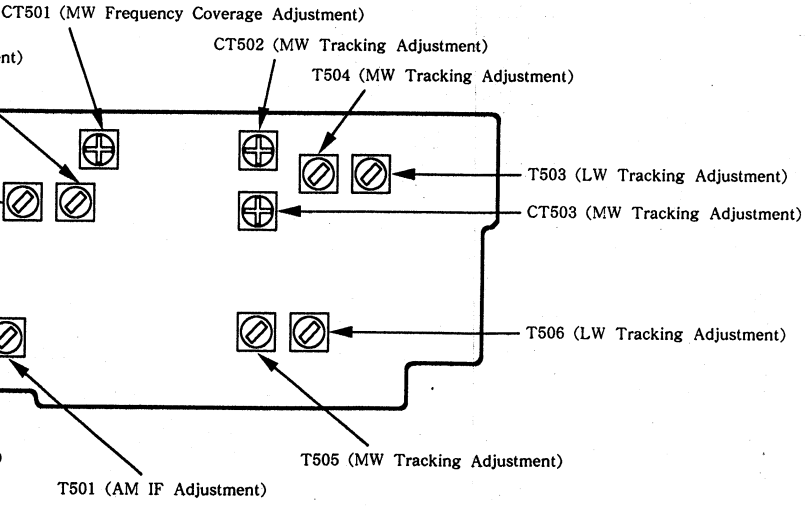
【AM BOARD】(COMPONENT SIDE)


CT501 (MW Frequency Coverage Adjustment)
CT502 (MW Tracking Adjustment)
T507 (MW Frequency Coverage Adjustment)
T504 (MW Tracking Adjustment)
T508 (LW Frequency Coverage Adjustment)
T503 (LW Tracking Adjustment)
CT503 (MW Tracking Adjustment)
RV501 (AM Auto-scan Stop Level Adjustment)
T506 (LW Tracking Adjustment)
T502 (AM IF Adjustment)
T501 (AM IF Adjustment)
T505 (MW Tracking Adjustment)

RD] (COMPONENT SIDE)

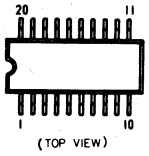


] (COMPONENT SIDE)


CT501 (MW Frequency Coverage Adjustment)
CT502 (MW Tracking Adjustment)
T504 (MW Tracking Adjustment)
T503 (LW Tracking Adjustment)
CT503 (MW Tracking Adjustment)
T506 (LW Tracking Adjustment)
T505 (MW Tracking Adjustment)
T501 (AM IF Adjustment)

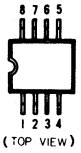
Semiconductors Lead Layout

LA1137M
LA1145M

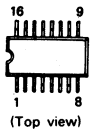


LA2010

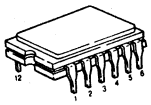
LA2110M
μPC4558G2



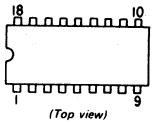
LA3430M



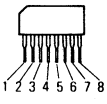
TA8210H



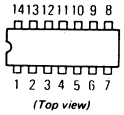
TDA1579



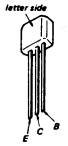
μPC1228HA



μPD4066BC

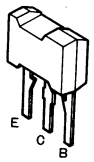


DTC124TS
2SA1150
2SC536SP



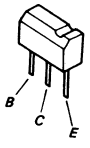
2SA1048-GR
2SC2839
2SD1012
2SK715-U

2SA1428



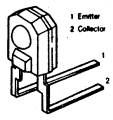
2SC2001

2SC2673

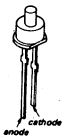


2SJ105

AY1101W

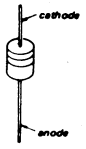


LTZ-MR15
1SS101
10E-2

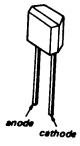


MAY3877S

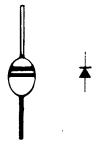
RD5.6ES-B2
RD6.2ES-B2
RD8.2ES-B2
RD9.1ES-B2
RD10ES-B3
RD16ES-B3
1SS119



SVC321SP-B3



U05E



SECTION 4
DIAGRAMS

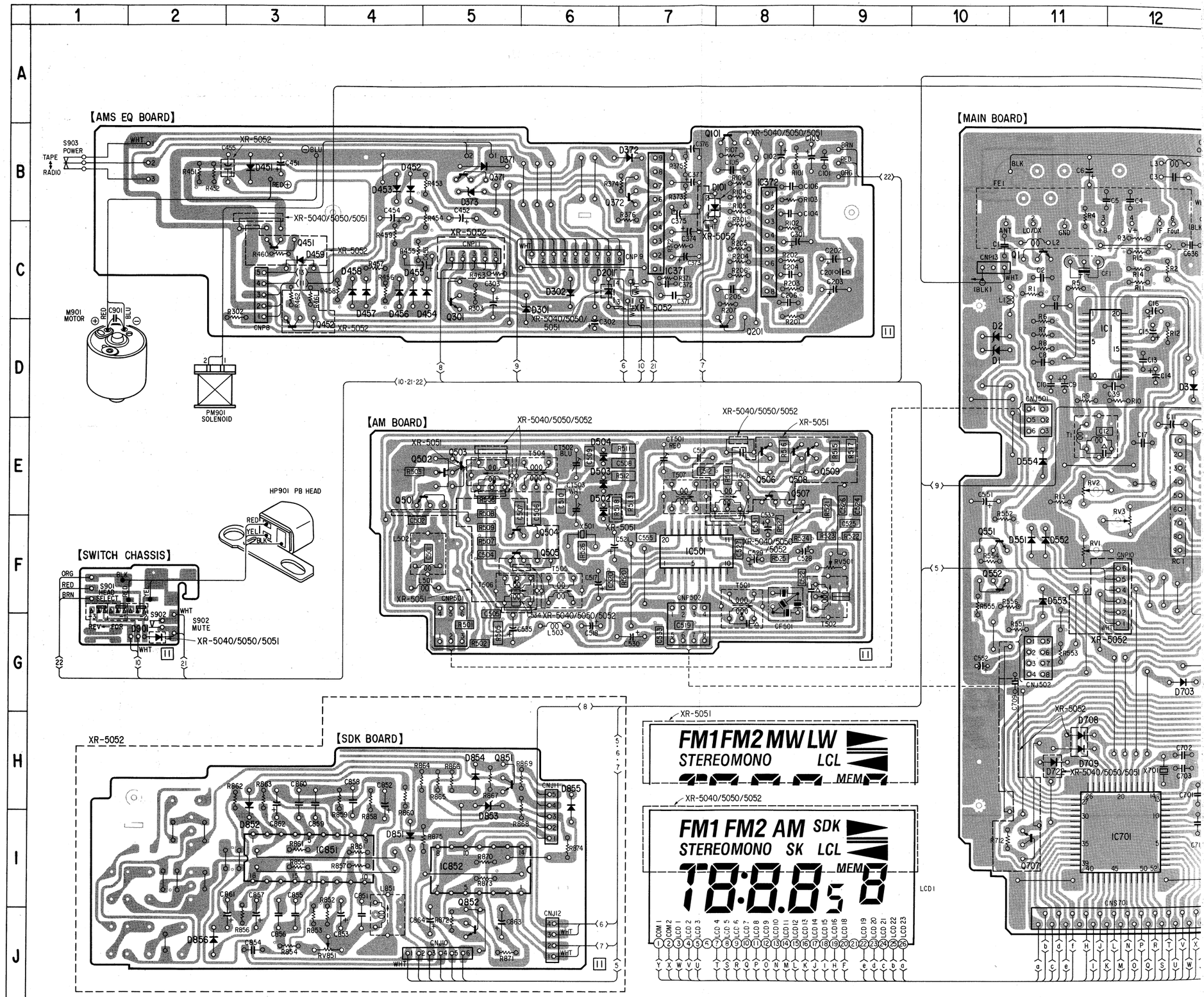
● SEMICONDUCTOR LOCATION

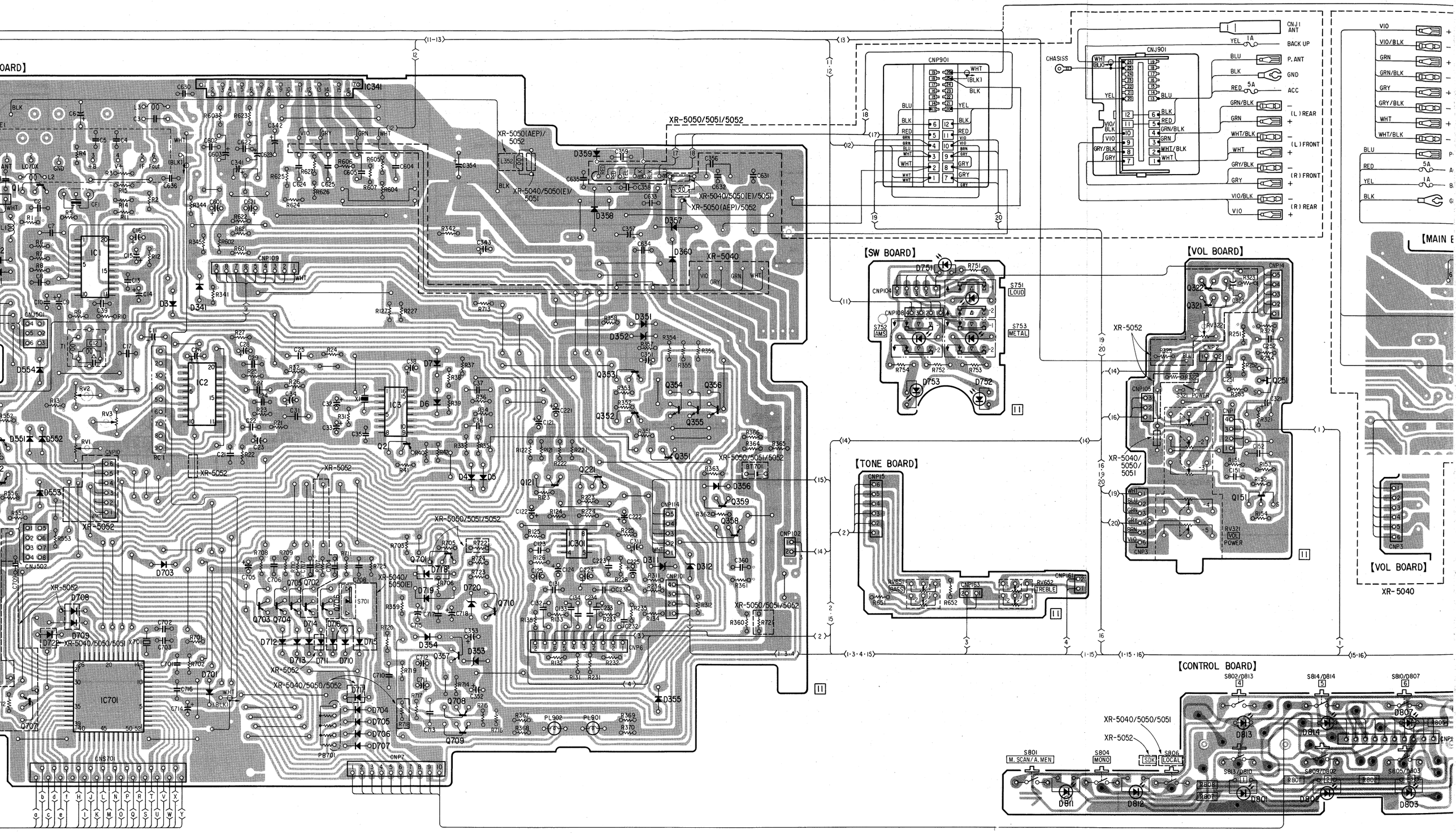
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC1	D-11	Q704	H-14	D701	H-13
IC2	E-13	Q705	G-14	D703	G-12
IC3	E-15	Q706	H-14	D704	I-15
IC301	G-17	Q707	I-11	D705	I-15
IC331	G-29	Q708	I-16	D706	I-15
IC341	B-15	Q709	I-16	D707	I-15
IC371	C-7	Q710	H-16	D708	H-11
IC372	B-8	Q851	H-5	D709	H-11
IC501	F-7	Q852	I-5	D710	H-14
IC701	I-12			D711	H-14
IC851	I-3	D1	D-10	D712	H-14
IC852	I-5	D2	D-10	D713	H-14
		D3	D-12	D714	H-14
Q1	C-11	D4	F-16	D715	H-15
Q2	F-15	D5	F-16	D716	H-14
Q101	B-7	D6	E-15	D717	I-15
Q121	F-17	D7	E-15	D718	G-15
Q151	F-25	D101	B-7	D719	G-15
		D201	C-6	D720	G-16
Q201	D-8	D301	C-6	D722	H-11
Q221	F-17				
Q251	E-25	D302	C-6	D751	D-21
Q301	C-5	D311	G-18	D752	E-22
Q321	D-24	D312	G-18	D753	E-21
		D341	D-13	D801	J-25
Q322	D-24	D351	D-18	D802	J-26
Q351	E-18				
Q352	E-18	D352	E-18	D803	J-27
Q353	E-18	D353	H-16	D804	I-28
Q354	E-18	D354	H-15	D805	I-29
		D355	I-18	D806	I-30
Q355	E-18	D356	F-19	D807	I-27
Q356	E-19				
Q357	H-16	D357	C-18	D808	I-28
Q358	G-19	D358	C-17	D809	I-28
Q359	F-19	D359	B-17	D810	I-29
		D360	D-18	D811	J-23
Q371	B-5	D371	B-5	D812	J-24
Q372	B-7				
Q401	G-30	D372	B-7	D813	I-25
Q421	G-30	D373	B-5	D814	I-26
Q451	C-3	D451	B-3	D851	I-4
		D452	B-4	D852	I-3
Q452	D-3	D453	B-4	D853	I-5
Q501	E-4				
Q502	E-5	D454	C-5	D854	H-5
Q503	E-5	D455	C-4	D855	H-6
Q504	F-6	D456	C-4	D856	J-2
		D457	C-4	D901	G-2
Q505	F-6	D458	C-4		
Q506	E-8				
Q507	E-8	D459	C-3		
Q508	E-8	D502	E-6		
Q509	E-9	D503	E-6		
		D504	E-6		
Q551	F-10	D551	F-11		
Q552	F-10				
Q701	G-15	D552	F-11		
Q702	G-14	D553	F-11		
Q703	H-13	D554	E-11		

Note :

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side.
- □ : Chip components extracted from the rear side.

4-1. PRINTED WIRING BOARDS




【MAIN BOARD】
【SW BOARD】
【VOL BOARD】
【TONE BOARD】
【CONTROL BOARD】
【VOL BOARD】
CNJ901
CNP901
CNJ1 ANT
BACK UP
P. ANT
GND
ACC
(L) REAR
(L) FRONT
(R) FRONT
(R) REAR
CHASSIS
XR-5050/5051/5052
XR-5040(AEP)/5052
XR-5040/5050(E)/5051
XR-5040/5050(E)/5051
XR-5040
XR-5052
XR-5040/5050/5051
XR-5040/5050(E)
XR-5050/5051/5052
XR-5040/5050/5052
XR-5040/5050/5051
XR-5040/5050/5051
XR-5040/5050/5051
XR-5040
S751 LOUD
S752 AMS
S753 METAL
S801 M. SCAN/A. MEN
S804 MONO
S806 SDK LOCAL
S802/D813
S814/D814
S810/D807
S813/D810
S805/D802
S805/D803
D811
D812
D801
D802
D803
D807
D813
D814
RV321 VOL POWER
RV651 BASS
RV652 TREBLE
BT701
IC1
IC2
IC3
IC301
IC701
Q1
Q2
Q221
Q251
Q321
Q322
Q151
Q701
Q703 Q704
Q705 Q706
Q708
Q709
Q710
Q351
Q352
Q353
Q354
Q355
Q356
Q358
Q359
D1
D3
D4
D5
D6
D7
D31
D312
D341
D351
D352
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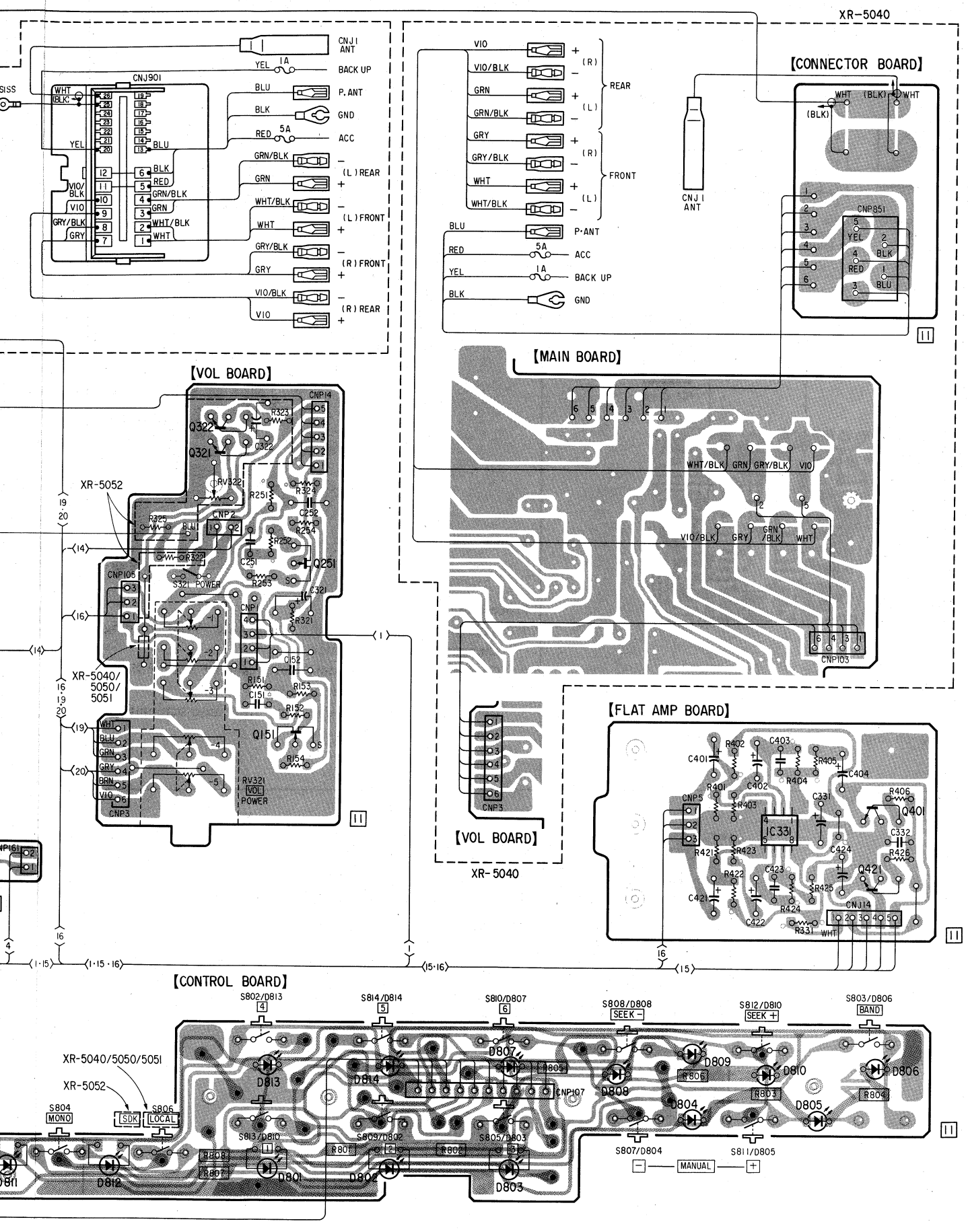
XR-5040
【CONNECTOR BOARD】
【MAIN BOARD】
【VOL BOARD】
【FLAT AMP BOARD】
【CONTROL BOARD】
XR-5052
XR-5040/5050/5051
CNJ901
CNJ1 ANT
BACK UP
P.ANT
GND
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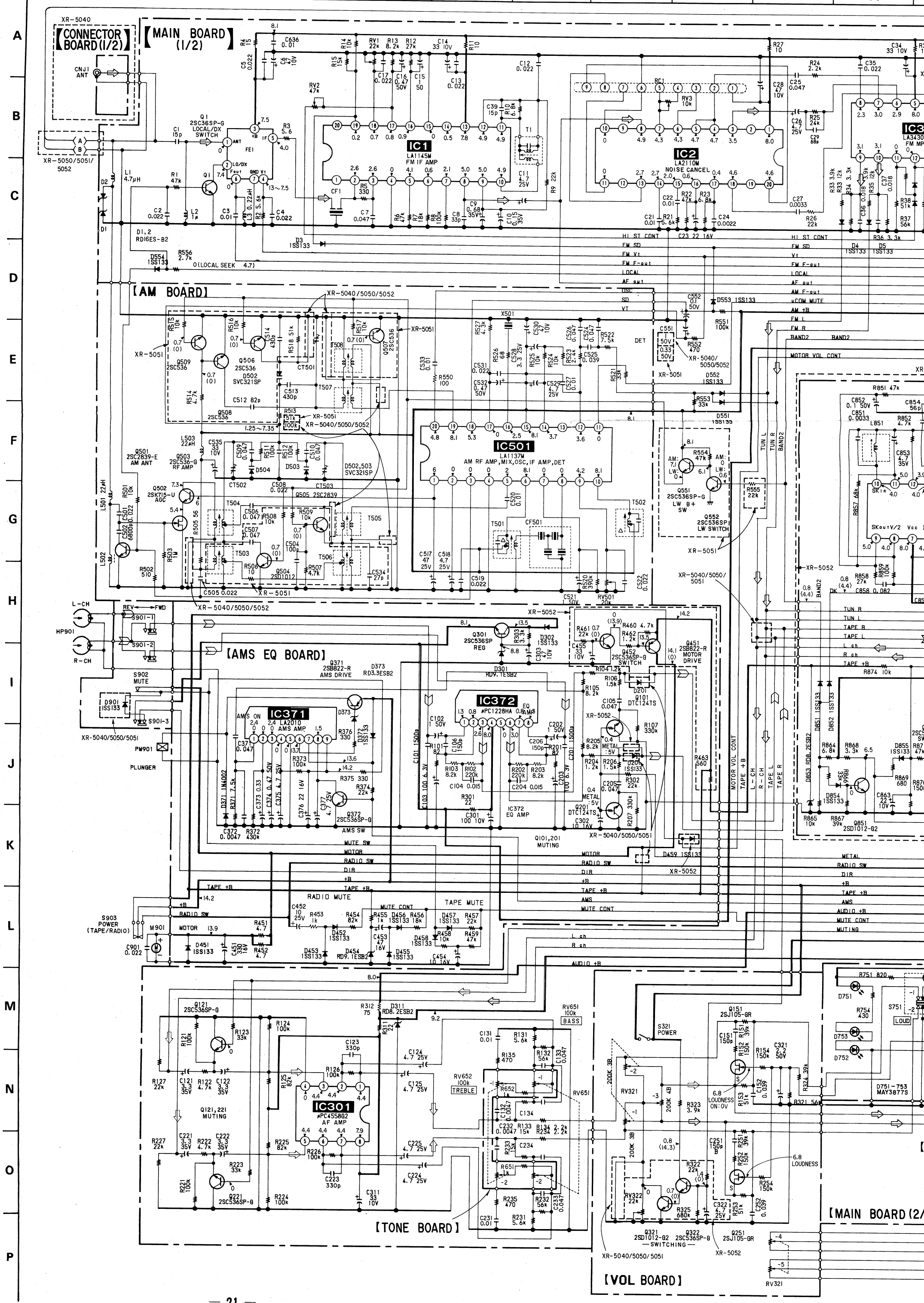
(L) REAR
(L) FRONT
(R) FRONT
(R) REAR
REAR
FRONT
CNP103
CNP107
CNP3
CNP5
CNJ14
S802/D813
S814/D814
S810/D807
S808/D808
S812/D810
S803/D806
S804
S806
S813/D810
S809/D802
S805/D803
S807/D804
S811/D805
MANUAL
SEEK −
SEEK +
BAND
MONO
SDK
LOCAL
POWER
VOL


XR-5040
【CONNECTOR BOARD(1/2)】
【MAIN BOARD (1/2)】
CNJ1 ANT
XR-5050/5051/5052
Q1 2SC36SP-G LOCAL/DX SWITCH
FE1
IC1 LA1145M FM IF AMP
IC2 LA2110M NOISE CANCEL
IC3 LA3430 FM MPX
T1
CF1
D1, 2 RD16ES-B2
D3 1SS133
D554 1SS133
R556 2.7k
0(LOCAL SEEK 4.7)
【AM BOARD】
XR-5040/5050/5052
XR-5051
IC501 LA1137M AM RF AMP, MIX, OSC, IF AMP, DET
Q501 2SC2839-E AM ANT
Q503 2SC536-G RF AMP
Q502 2SK715-U AGC
Q505 2SC2839
Q506 2SC536
Q507 2SC536
Q508 2SC536
Q509 2SC536
D502 SVC321SP
D502,503 SVC321SP
D504
D503
CT501
CT502
CT503
T501
T502
T503
T504
T505
T506
CF501
X501
Q551 2SC536SP-G LW B+ SW
Q552 2SC536SP LW SWITCH
D551 1SS133
D552 1SS133
D553 1SS133
【AMS EQ BOARD】
Q371 2SB822-R AMS DRIVE
D373 RD3.3ESB2
IC371 LA2010 AMS AMP
IC372 μPC1228HA EQ AMP
Q372 2SC536SP-G
Q301 2SC536SP REG
D301 RD9.1ESB2
D302 1SS133
Q451 2SB822-R MOTOR DRIVE
Q452 2SC536SP-G SWITCH
Q101 DTC124TS
Q201 DTC124TS
D201 1SS133
S901-1
S901-2
S901-3
S902 MUTE
D901 1SS133
PW901 PLUNGER
HP901
L-CH
R-CH
REV
FWD
S903 POWER (TAPE/RADIO)
M901
MOTOR
RADIO MUTE
TAPE MUTE
MUTE CONT
Q121 2SC536SP-G
Q221 2SC536SP-G
Q121, 221 MUTING
IC301 μPC455B2 AF AMP
【TONE BOARD】
RV651 100k BASS
RV652 100k TREBLE
S321 POWER
Q151 2SJ105-GR
Q321 2SD1012-G2
Q322 2SC536SP-G
Q251 2SJ105-GR
— SWITCHING —
RV321
RV322
【VOL BOARD】
【MAIN BOARD (2/
D751
D752
D753
S751
LOUD
D751-753 MAY3877S
Q851 2SD1012-G2
D851 1SS133
D852 1SS133
D853 RD8.2ESB2
D854 1SS133
D855 1SS133
HI ST CONT
FM SD
FM VT
FM F-out
LOCAL
AF out
OSC
SD
VT
AM F-out
μCOM MUTE
AM +B
FM L
FM R
BAND2
MOTOR VOL CONT
TUN R
TUN L
TAPE R
TAPE L
L ch
R ch
TAPE +B
RADIO SW
DIR
+B
AMS
AUDIO +B
MUTE CONT
MUTING
METAL

IC3
LA3430M
FM MPX

IC701
μPD1708AG-82 1-00
PLL, LCD DRIVE

IC851
TDA1579
SDK AMP

IC852
μPD4066BC
SELECT SWITCH

IC341
TA8210H
POWER AMP

IC3
μPC4558G2
FLAT AMP

LCD1

SDK BOARD

【FLAT AMP BOARD

【SW BOARD】

【MAIN BOARD(2/2)】

【CONTROL BOARD】

XR-5040/5050/5051

LOCAL

M.SCAN A.MEN S801 | 4 S802 | BAND S803

MONO S804 | 3 S805 | SDK S806

MANUAL − S807 | SEEK − S808 | 2 S809 | 6 S810

MANUAL + S811 | SEEK + S812 | 1 S813 | 5 S814

XR-5052

XR-5040/5050/5051

Q702−707 KEY MATRIX

D717 1SS133 D722

XR-5040/5050/5052

D718

RB701 47K*4

Q707 2SC536SP-G

XR-5052

S701

D715

XR-5040/5050(E)

D704 1SS133

D705 1SS133

D706 1SS133

D707 1SS133

D708 1SS133

D709 1SS133

D710 1SS133

D711 1SS133

D712 1SS133

D713 1SS133

D714 1SS133

R712 330R

2SA1048-GR

XR-5052

C709 0.01

R725 56k

R367 120

R368 120

R369 120

R370 120

D801 AY1101W R801 300 R802 270

D804 AY1101W R803 300 R804 270

D807 AY1101W

D802 AY1101W D803 AY1101W D805 AY1101W D808

D808 AY1101W D809 AY1101W D810 AY1101W

R805 200 R806 220

D811 AY1101W D813 AY1101W

R807 820 R808 820

D812 AY1101W D814 AY1101W

Q358 MUTE SWITCH

Q359 MUTING DRIVE

BUCK UP

Q359 2SA1048-GR

R724 10

R366 150

R363 4.7k

R362 33k

R364 15k

R360 18k

D355 1SS133

D356 SS133

R365 18k

R361 10k

C360 0.022

Q358 2SC536SP-G

MUTE CONT

MUTING

Q357 2SD1020-F

REG

R359 1k

D354 1SS133

D353 RD10ESB2

C352 47 10V

C353 33 10V

C354 2200 16V

C356 0.01

C359 100p

C634 0.00

D360 IN4002

D359 RL254

XR-5050(AEP)/ 5052

XR-5040/5050(E)/5051

XR-5040/5050/5051

D357,358 IN4002

C357 100 16V

D357

D358

C633 100p

C635 0.01

C358 100p

BACK UP

F

ACC

P. ANT

14.0

14.1

14.2

14.3

14.4

9.2

9.8

XR-5040

【CONNECTOR BOARD (2/2)】

CNP851

PL901

PL902

XR-5050/5051/5052

FRONT L+

FRONT L−

REAR L+

REAR L−

FRONT R+

FRONT R−

REAR R+

REAR R−

CNP901

IC341 TA8210H POWER AMP

R604 1.1 R606 1.1 R605 1.1 R607 1.1

C604 0.27 C605 0.27

C624 0.27 C625 0.27

R625 1.1 R627 1.1 R624 1.1 R626 1.1

C630 0.01

R345 100k

C631 100p C632 100p

Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM or TAPE
  ( ) : AM
  〈 〉 : MUTING ON (SDK ON)
- Voltages are taken with a VOM (50kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇨ : PB

4-3. FM/AM FRONT END SCHEMATIC DIAGRAM

IF OUT 5 | OSC OUT 6 | B+(8.2V) 3 | VT 4

LA1178M

C018 0.022

D03 1SV225

C017 39p

R010 22k

C015 12p

L06

C016 0-6p

C09 0.022

CF01

R09 100-1k

C020 0.022

T01

C013 0.022

C012 100p

C011 5p

C010 2p

1SV225

R08 100k

C014 4.7

C09 5p

R07 680k

C07 0-10p

L04

D02

C08 33p

C020 0.022

C06 8p

L03

R06 0-100

R05 220

C05 0.0022

FET01 3SK126

R04 82k

C04 0.022

R01 33k

R02 120k

R03 82k

C03 18p

1SV225

R011 680k

D01

C02 0-8p

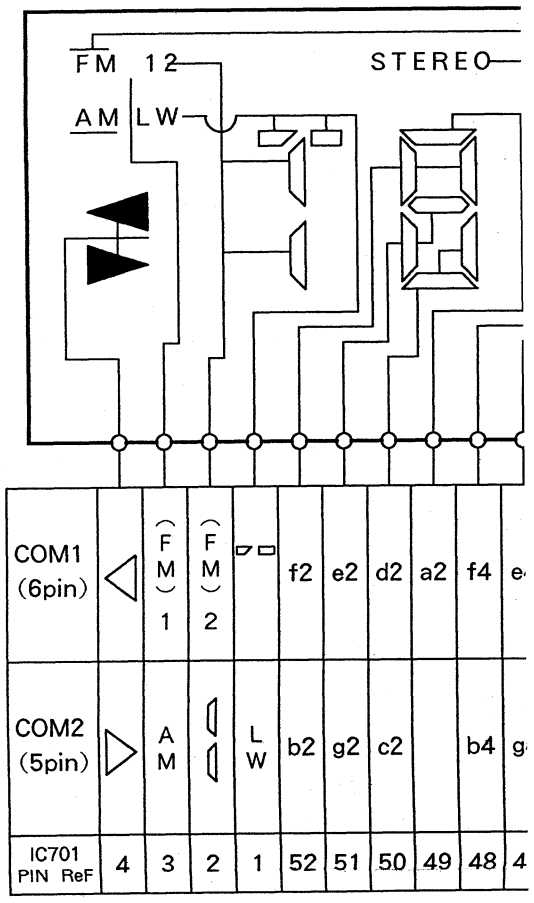
L02

C01 39p

L01

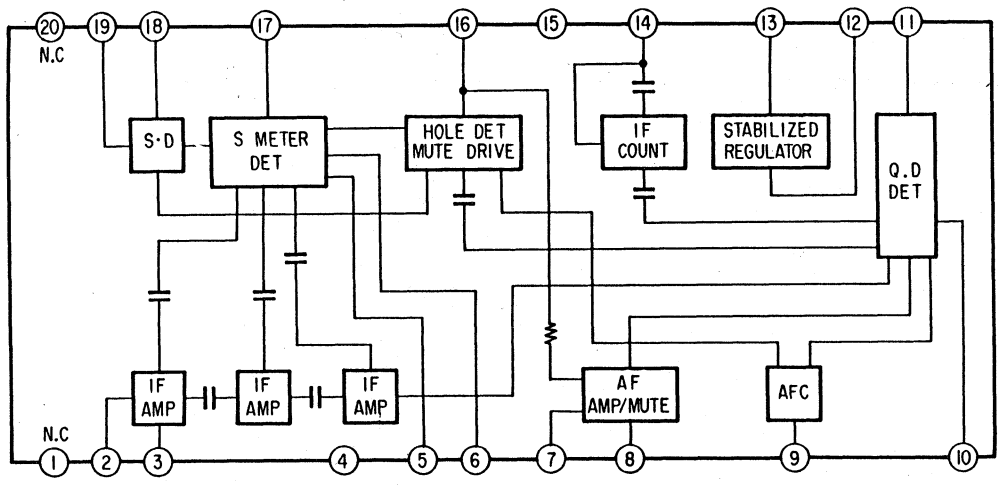
LO/DX 2 | ANT 1 | GND (CASE)

• **LCD1 DIAGRAM**

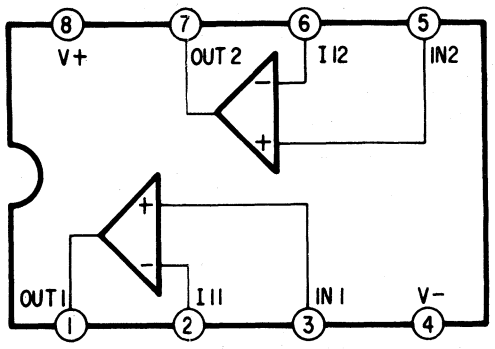


4-3. IC BLOCK DIAGRAMS

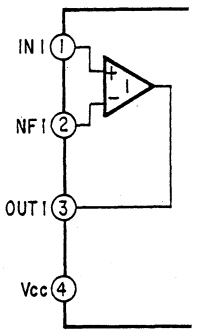
IC1 LA1145M



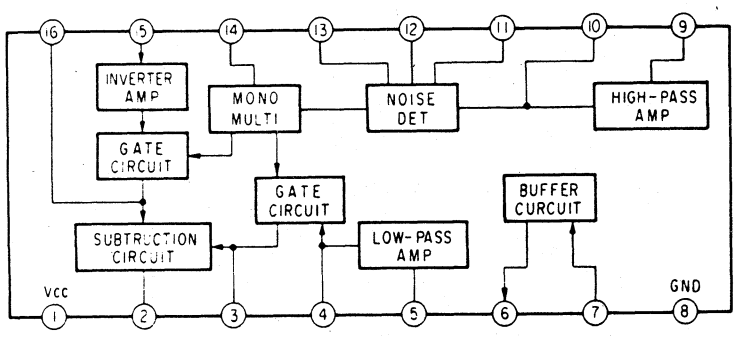
IC301, 331 μPC4558G2



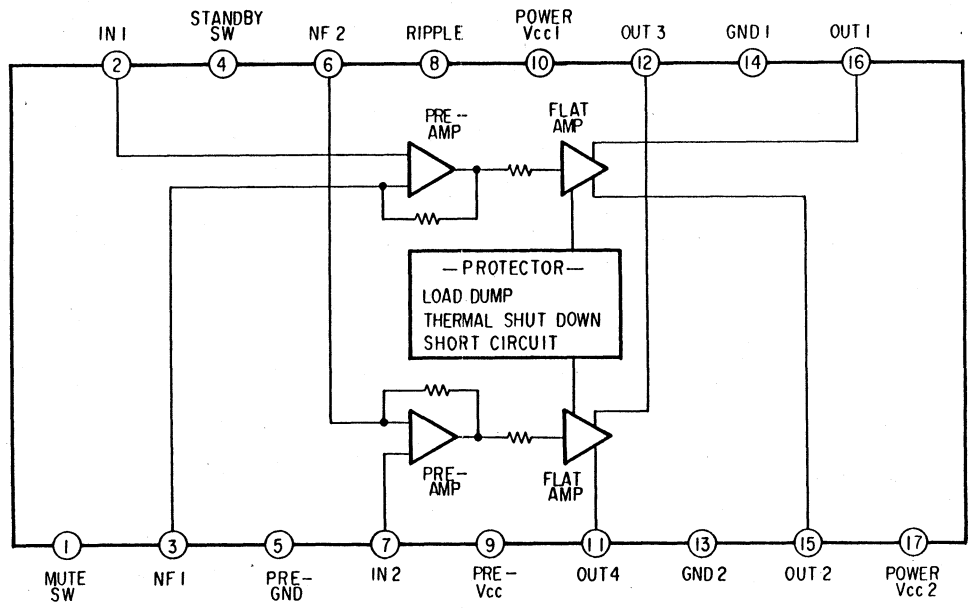
IC372 μPC1



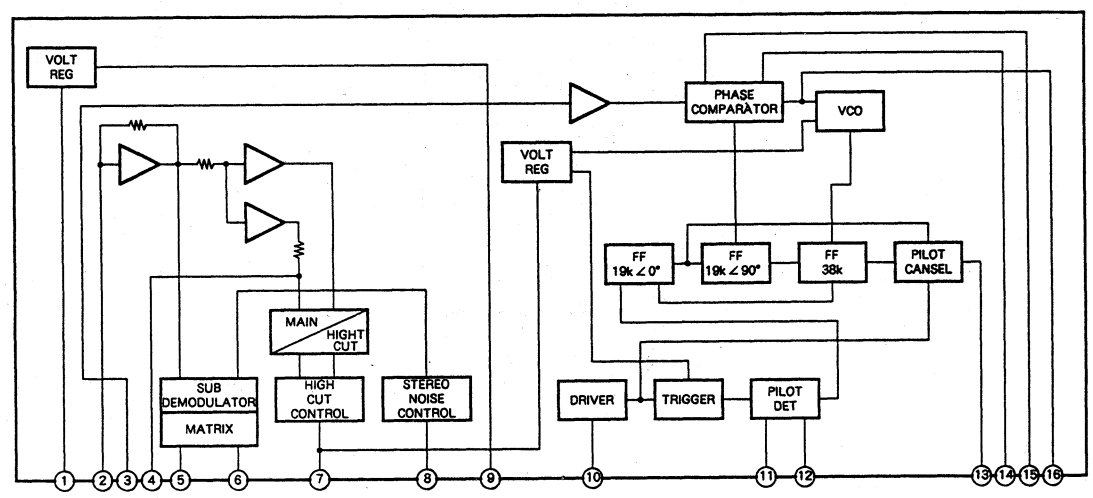
IC2 LA2110M



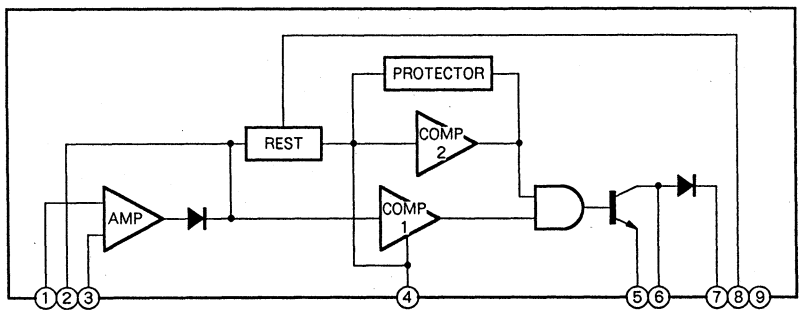
IC341 TA8210H



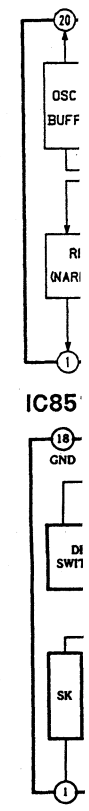
IC3 LA3430M



IC371 LA2010

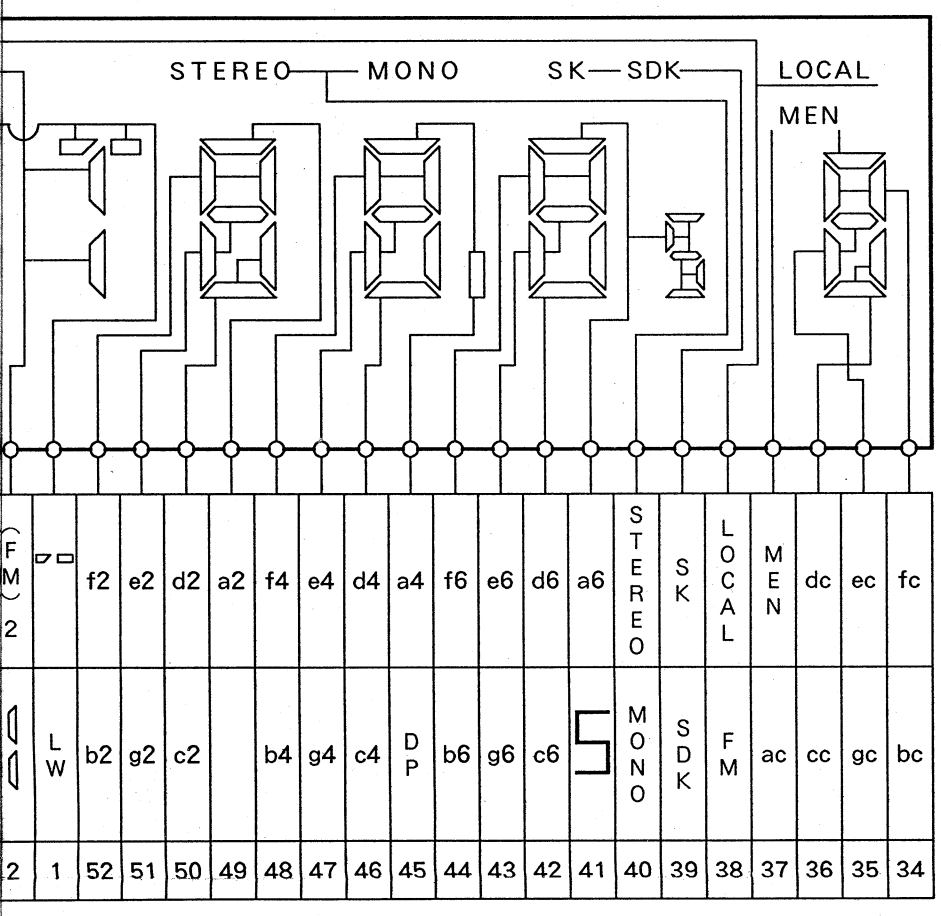


IC501



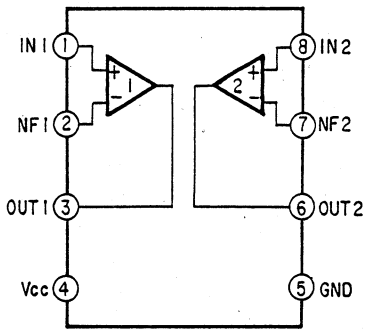
IC85

AM

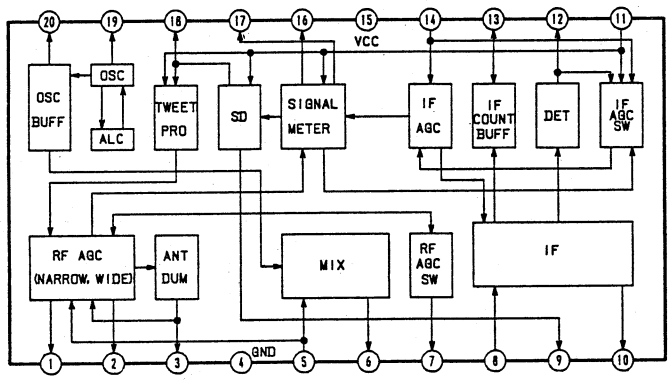


FM (2		f2	e2	d2	a2	f4	e4	d4	a4	f6	e6	d6	a6	STEREO	SK	LOCAL	MEN	dc	ec	fc
	LW	b2	g2	c2		b4	g4	c4	DP	b6	g6	c6		MONO	SDK	FM	ac	cc	gc	bc
2	1	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34

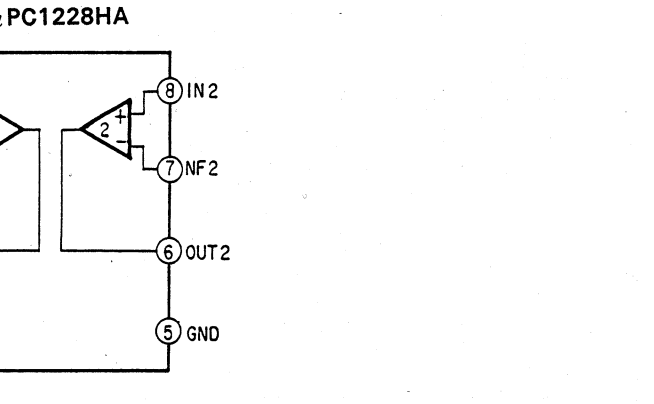
IC372 μPC1228HA



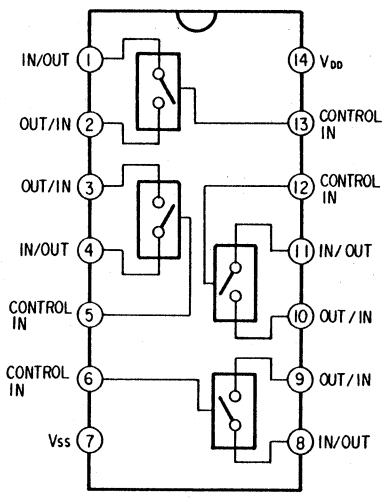
IC501 LA1137M



IC851 TDA1579



IC852 μPC4066BC

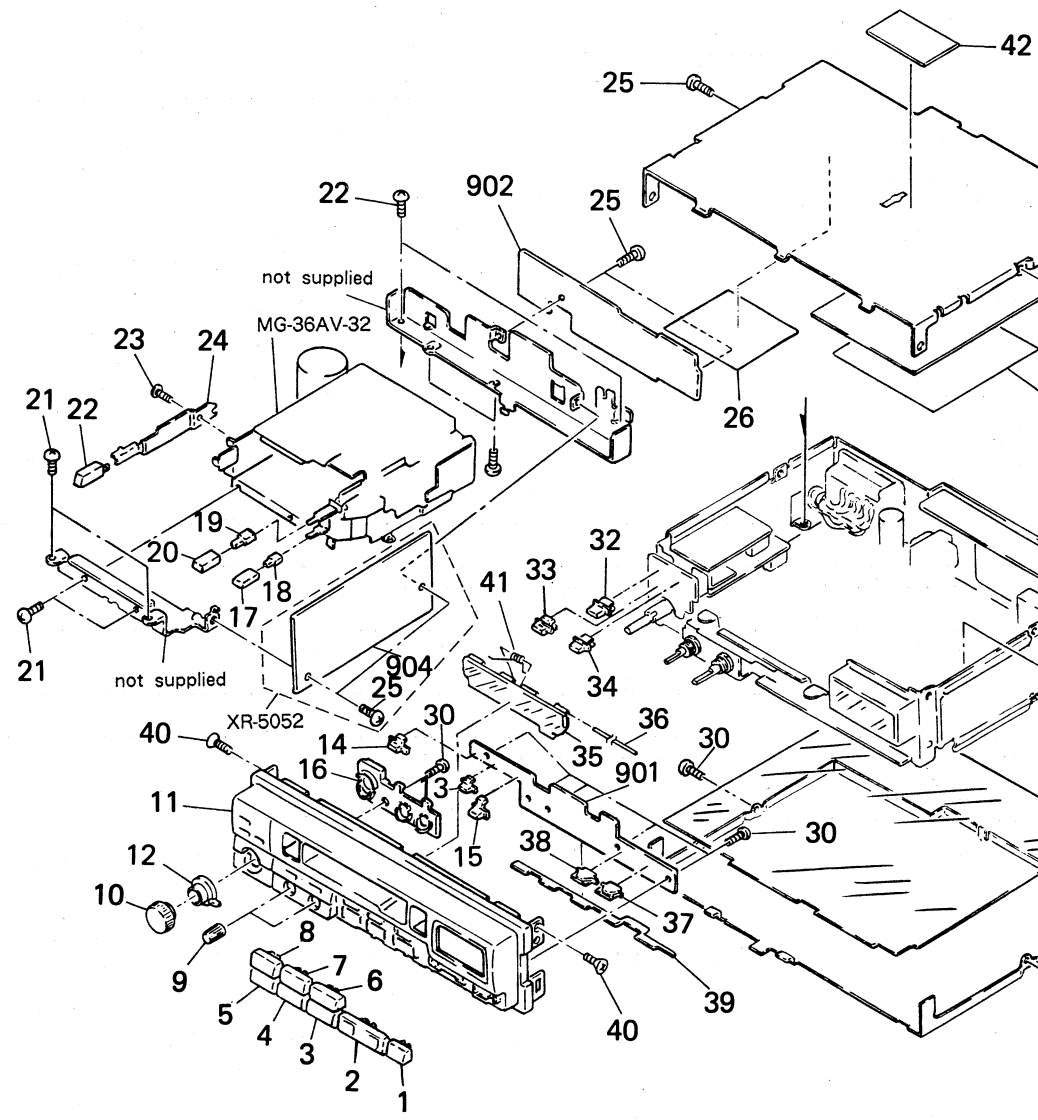


SECTION 5
EXPLODED VIEWS

NOTE:

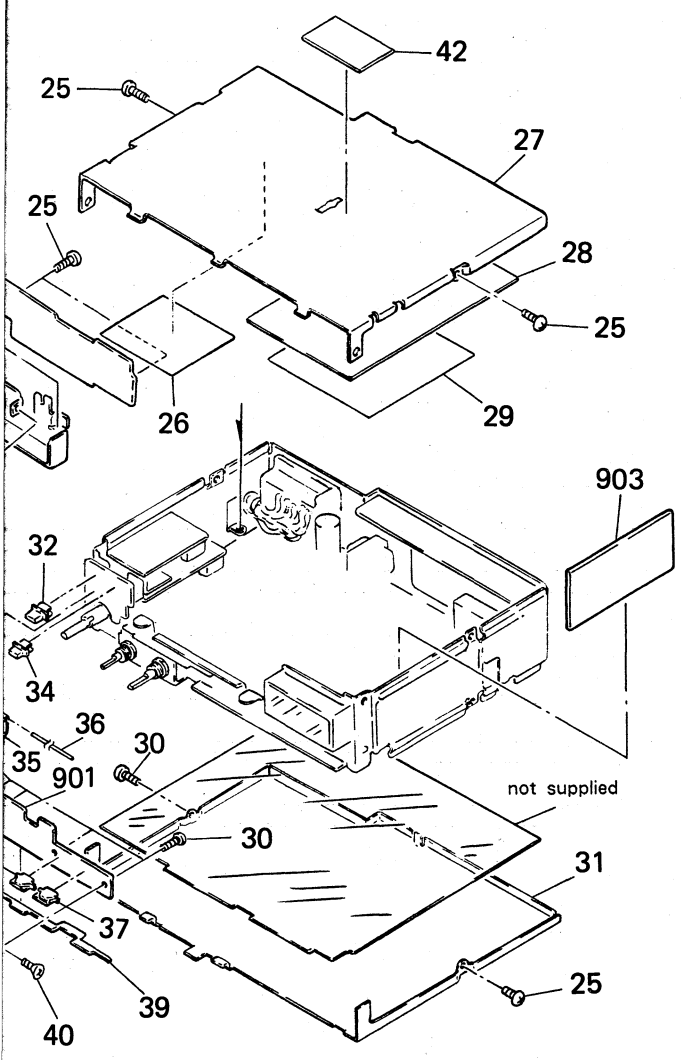
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

(1)



TION 5
ED VIEWS

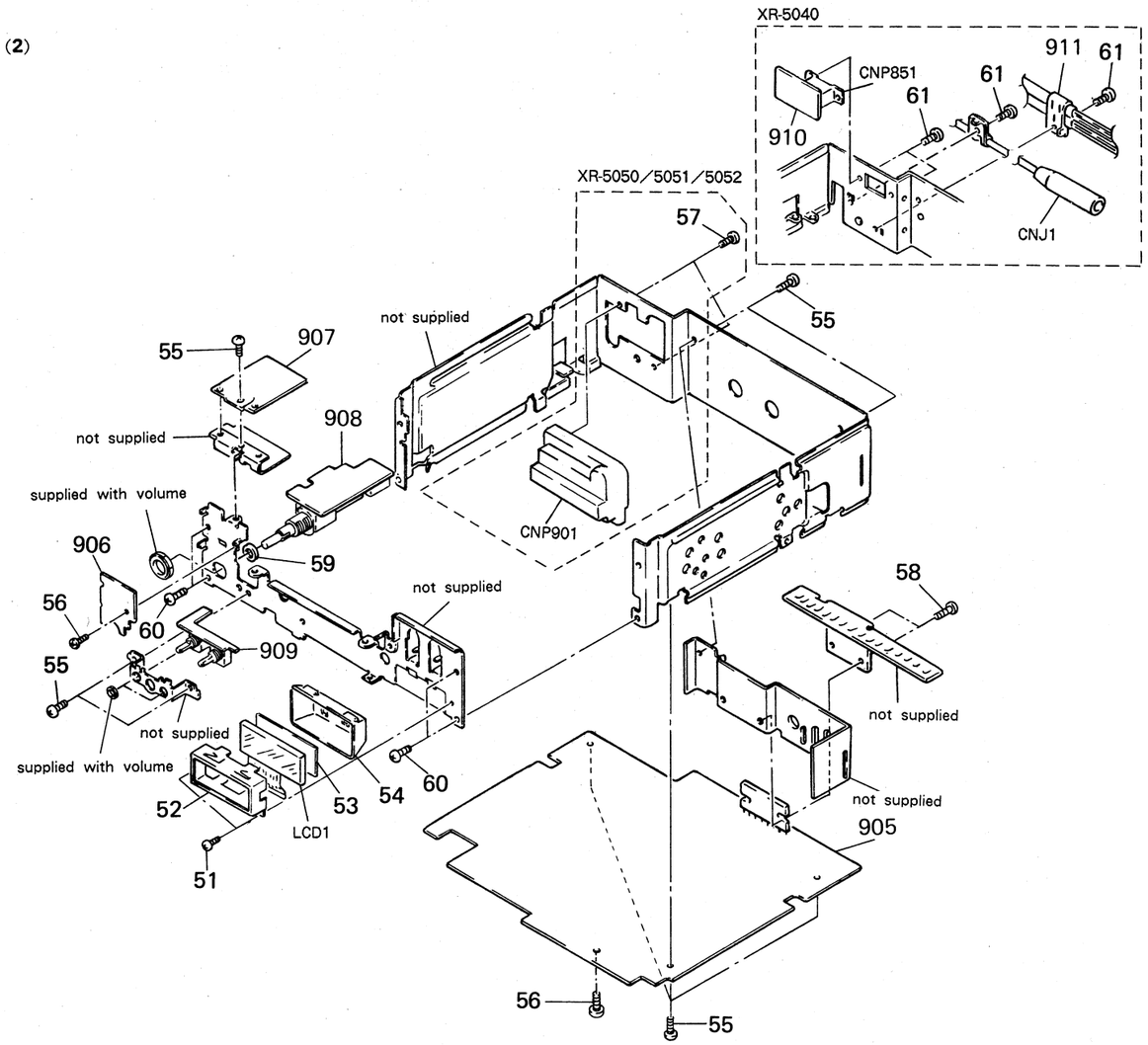
rdization, parts with part -XX and -X may be dif- he parts specified in the ed on the set.



No.	Part No.	Description	Remarks
1	3-351-939-01	BUTTON (RD:N1)(BAND)	
2	3-351-938-01	BUTTON (M:S1)(SEEK +/-)	
3	3-393-024-51	BUTTON (M:N6P)(6)	
4	3-393-024-41	BUTTON (M:N5P)(5)	
5	3-393-024-31	BUTTON (M:N4P)(4)	
6	3-393-024-21	BUTTON (M:N3P)(3)	
7	3-393-024-11	BUTTON (M:N2P)(2)	
8	3-393-024-01	BUTTON (M:N1P)(1)	
9	A-3235-714-A	KNOB (TONE) ASSY	
10	A-3235-713-A	KNOB (VOL) ASSY	
11	A-3242-302-A	(5040/5050)...PANEL SUB ASSY, FRONT	
	A-3242-304-A	(5051).....PANEL SUB ASSY, FRONT	
	A-3242-306-A	(5052).....PANEL SUB ASSY, FRONT	
12	3-351-947-01	KNOB (FADER)	
13	3-351-942-11	BUTTON (MONO)(M)	
14	3-351-942-01	BUTTON (MONO)(M/A)	
15	3-351-942-21	(5040/5050/5051)...BUTTON (MONO)(L)	
	3-351-942-31	(5052).....BUTTON (MONO)(S)	
16	3-351-948-01	PLATE (VOL), LIGHT GUIDE	
17	3-351-944-01	BUTTON (REW)	
18	3-351-927-01	HOLDER (REW)	
19	3-351-926-01	HOLDER (FF)	
20	3-351-943-01	BUTTON (FF)	
21	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
22	3-351-945-01	BUTTON (EJECT)	
23	4-885-599-00	SCREW, FITTING, REINFORCEMENT	
24	*3-351-955-01	LEVER, EJECT	
25	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
26	*3-351-903-01	LABEL (ADJUSTMENT)	
27	*3-340-622-11	CASE (UPPER)	
28	*3-348-035-01	PLATE, SHIELD	
29	*3-351-902-01	LABEL (MD PICK OUT)	

No.	Part No.	Description	Remarks
30	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
31	*3-340-623-01	CASE (LOWER)	
32	3-351-946-01	BUTTON (PUSH-UPPER)(LOUD)	
33	3-351-940-11	BUTTON (PUSH-LOWER)(METAL)	
34	3-351-940-01	BUTTON (PUSH-LOWER)(AMS)	
35	A-3235-715-A	(5050:AEP)...LID ASSY, CASSETTE	
	A-3235-717-A	(5051).....LID ASSY, CASSETTE	
	A-3235-718-A	(5052).....LID ASSY, CASSETTE	
	A-3235-719-A	(5040).....LID ASSY, CASSETTE	
	A-3235-727-A	(5050:E).....LID ASSY, CASSETTE	
36	3-351-960-01	SHAFT (CASSETTE)	
37	3-351-941-11	BUTTON (MANUAL)(+)	
38	3-351-941-01	BUTTON (MANUAL)(-)	
39	3-351-929-01	PLATE (A), SHIELD	
40	7-621-559-32	SCREW +K 2.6X5	
41	3-351-922-01	SPRING, TORSION	
42	*3-351-904-01	(5050:AEP)...LABEL, MODEL NUMBER (AE)	
	*3-351-906-01	(5052).....LABEL, MODEL NUMBER (AE6)	
	*3-351-907-01	(5051).....LABEL, MODEL NUMBER (LAE)(T)	
	*3-351-907-11	(5051).....LABEL, MODEL NUMBER (LAE)(M)	
	*3-351-908-01	(5040).....LABEL, MODEL NUMBER (E)	
	*3-351-962-01	(5050:E).....LABEL, MODEL NUMBER (E)	
901	*1-630-123-11	PC BOARD, CONTROL	
902	*A-3279-826-A	(5050/5051/5040)...MOUNTED PCB, AMS, EQ	
	*A-3279-832-A	(5052).....MOUNTED PCB, AMS, EQ	
903	*A-3279-831-A	(5051).....MOUNTED PCB, AM	
	*A-3279-834-A	(5050/5052)...MOUNTED PCB, AM	
	*A-3279-836-A	(5040).....MOUNTED PCB, AM	
904	*A-3279-833-A	(5052)....MOUNTED PCB, SDK	

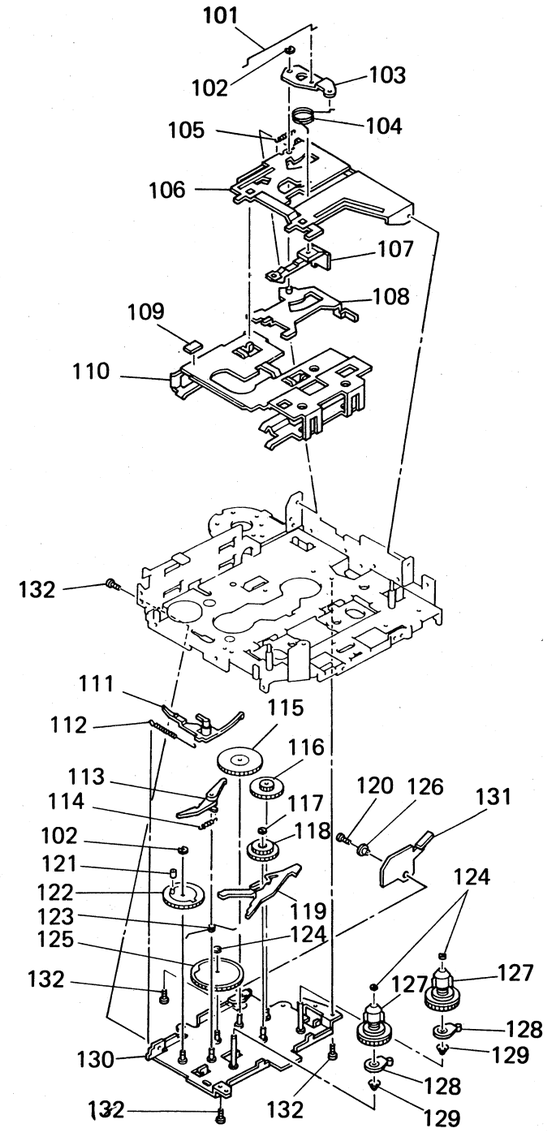
(2)



No.	Part No.	Description	Remarks
51	7-621-255-10	SCREW +BVTT 2X3 (S)	
52	*3-351-954-01	BRACKET (LCD)	
53	*3-351-925-01	ILLUMINATOR (LCD)	
54	*3-351-951-01	COVER, LAMP	
55	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
56	7-621-772-18	SCREW +B 2X4	
57	7-682-147-01	(5050/5051/5052)...SCREW +P 3X6	
58	7-682-549-04	SCREW +B 3X10	
59	3-351-930-01	SPACER (VR)	
60	7-621-773-86	SCREW +BVTT 2.6X4 (S)	
61	7-682-546-04	(5040)...SCREW +PTT 3X5 (S)	
905	*A-3216-745-A	(5040)...PC BOARD ASSY, MAIN	
	*A-3216-746-A	(5050)...PC BOARD ASSY, MAIN	
	*A-3216-747-A	(5052)...PC BOARD ASSY, MAIN	
	*A-3216-748-A	(5051)...PC BOARD ASSY, MAIN	

No.	Part No.	Description	Remarks
906	*1-630-121-11	PC BOARD, SW	
907	*1-630-117-11	PC BOARD, FLAT AMP	
908	*1-630-115-11	PC BOARD, VOL	
909	*1-630-116-11	PC BOARD, TONE	
910	*1-630-122-11	(5040)...PC BOARD, CONNECTOR	
911	1-574-601-11	(5040)....CORD, SPEAKER	
CNP901	1-574-599-11	(5050/5051/5052)...CORD (WITH CONNECTOR) (PLUG)	
LCD1	1-808-688-11	(5051)...DISPLAY PANEL, LIQUID CRYSTAL	
LCD1	1-808-689-11	(5040/5050/5052) ...DISPLAY PANEL, LIQUID CRYSTAL	
CNP851	1-565-649-11	(5040).....CONNECTOR 5P	
CNJ1	1-574-033-11	(5040).....CORD (WITH CONNECTOR)(ANT)	

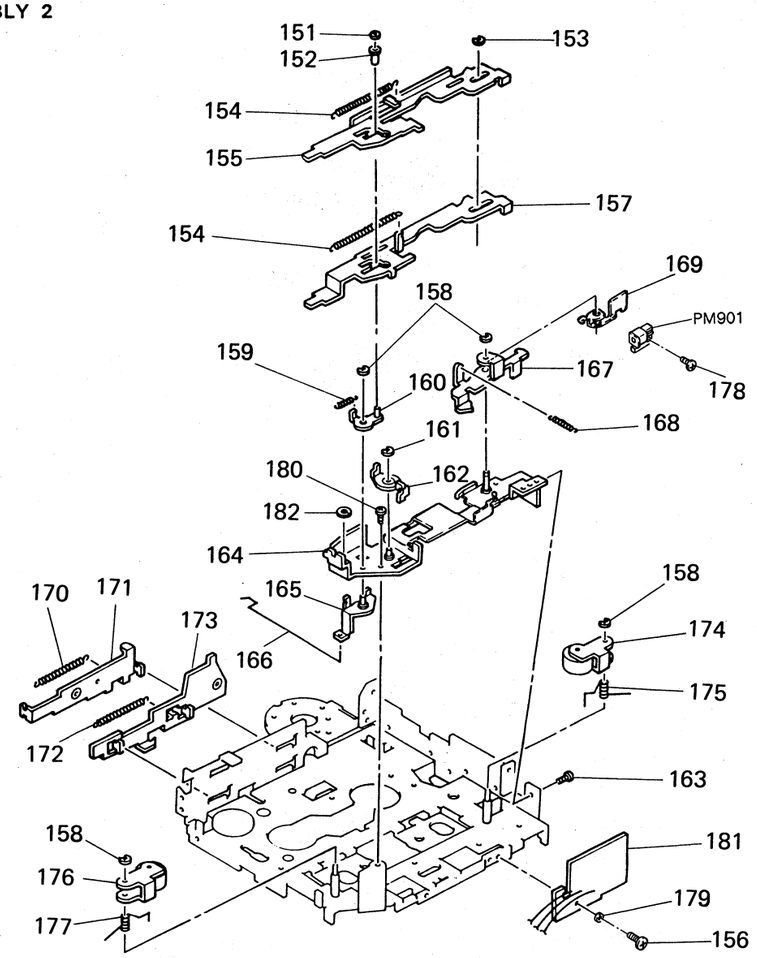
(3) MD ASSEMBLY 1



No.	Part No.	Description	Remarks
101	3-392-969-01	LINK, RETURN	
102	7-624-104-04	STOP RING 2.0, TYPE -E	
103	*3-392-932-01	PLATE, CENTER	
104	3-392-961-01	SPRING (B)	
105	3-392-953-01	SPRING	
106	*3-392-973-01	HANGER, CASSETTE	
107	3-392-972-01	HOOKER, TAPE	
108	*3-392-921-01	LOCK ASSY, EJECT CAM	
109	*3-392-968-01	CUSHION, C.H	
110	*3-392-977-01	HOLDER, CASSETTE	
111	3-392-985-01	RATCHET	
112	3-392-959-01	SPRING	
113	3-392-989-01	ARM, GEAR LOCK	
114	3-392-949-01	SPRING	
115	3-392-937-01	GEAR (B)	
116	3-392-936-01	GEAR (A)	

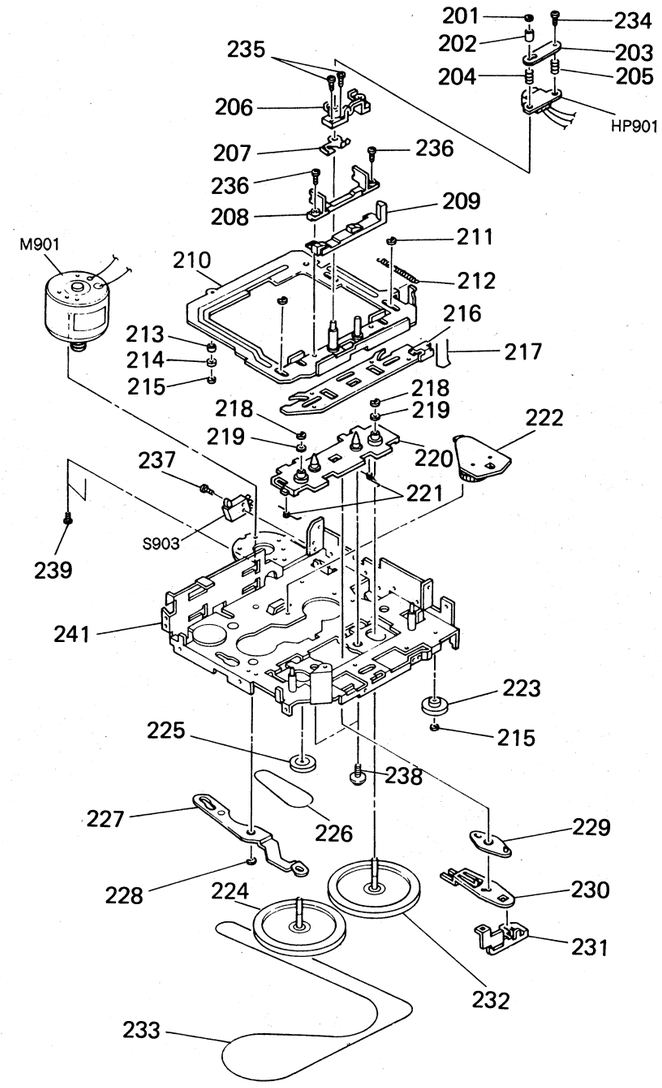
No.	Part No.	Description	Remarks
117	3-570-615-00	POLY-WASHER (DIA.1.2)	
118	3-392-915-01	GEAR, IDLE	
119	3-392-986-01	ARM, SENSOR	
120	4-908-792-31	SCREW (M2X4), TAPPING	
121	3-392-944-01	COLLAR (CELECTER GEAR)	
122	3-392-987-01	GEAR, SELECTOR	
123	3-392-960-01	SPRING	
124	3-676-387-00	POLY SLIDER (DIA.1.6)	
125	3-392-990-01	GEAR, DETECTION	
126	3-392-946-01	COLLAR, SWITCH ARM	
127	3-392-905-01	SPINDLE ASSY (HSP), REEL	
128	3-392-940-01	CAM, DETECTION	
129	3-392-964-01	SPRING, TENSION	
130	*3-392-976-01	BASE ASSY, REEL	
131	*3-392-982-01	ARM, SWITCH	
132	*4-908-792-11	SCREW (B2X3), TAPPING, P1	

(4) MD ASSEMBLY 2



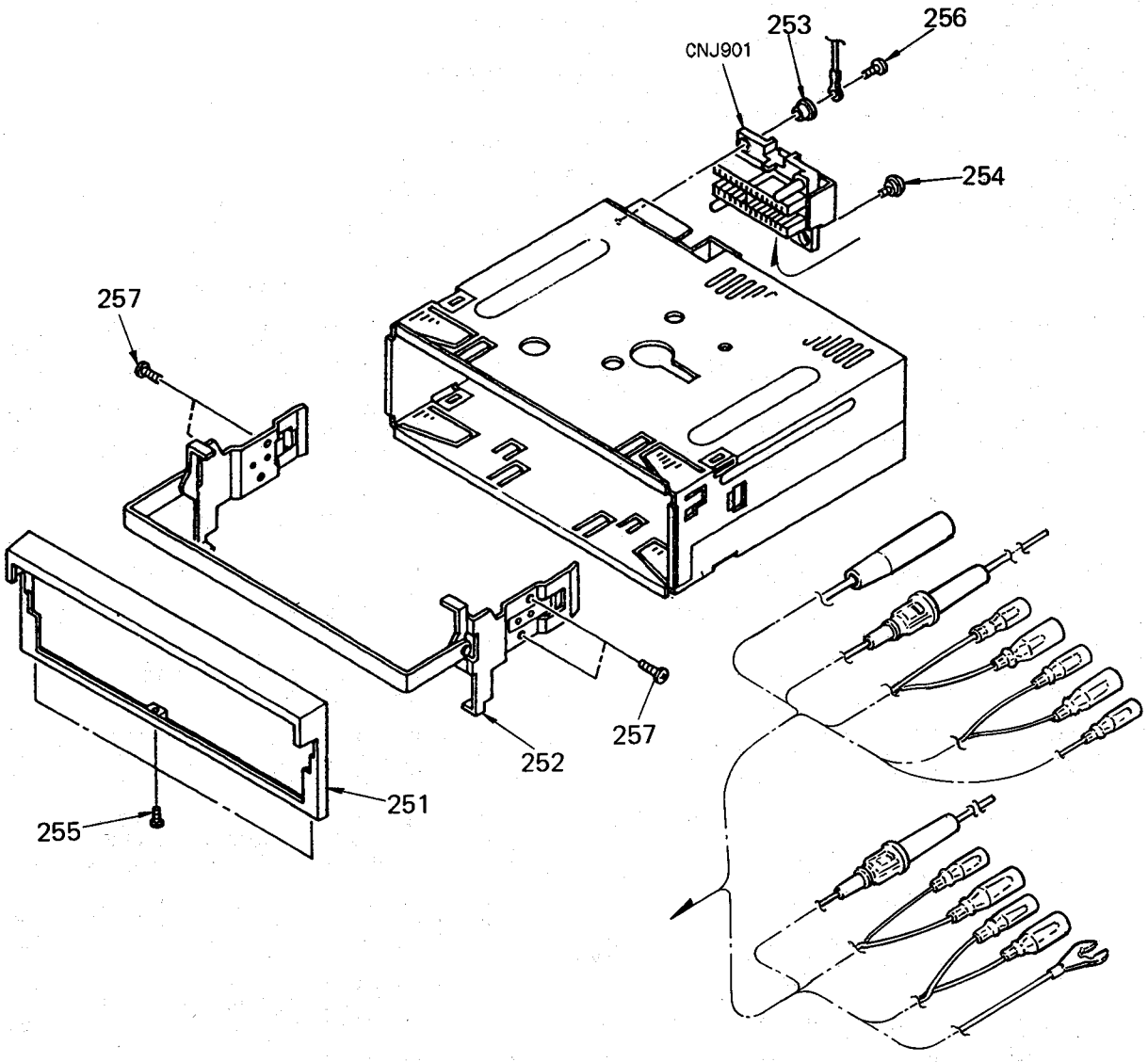
No.	Part No.	Description	Remarks
151	*3-392-912-01	WASHER, MYLAR	
152	3-392-994-01	ROLLER PROGRAM	
153	7-624-104-04	STOP RING 2.0, TYPE -E	
154	3-392-948-01	SPRING	
155	3-392-996-01	LEVER (A) (Z), FF	
156	4-908-792-51	SCREW (B2X5), TAPPING, P1	
157	3-392-977-01	LEVER (A)(Z), REW	
158	7-624-102-04	STOP RING 1.5, TYPE -E	
159	3-392-954-01	SPRING	
160	*3-392-924-01	ARM ASSY, PROGRAM	
161	7-624-105-04	STOP RING 2.3, TYPE -E	
162	*3-392-933-01	LEVER (B), CHANGE	
163	7-621-555-10	SCREW +K 2X3	
164	3-392-993-01	BRACKET ASSY, LEVER	
165	*3-392-920-01	LEVER (A) ASSY, CHANGE	
166	3-392-966-01	LINK, SELECTOR	
167	*3-392-904-01	ARM (A), LOCK	
168	3-392-902-01	SPRING (A)	
169	3-392-903-01	ARM, RELEASE	
170	3-392-950-01	SPRING	
171	*3-392-978-01	LEVER, EJECT	
172	3-392-951-01	SPRING	
173	*3-392-929-01	CAM ASSY, EJECT	
174	*3-392-928-01	ARM (F) ASSY, PINCH	
175	3-392-957-01	SPRING (F)	
176	*3-392-927-01	ARM (R) ASSY, PINCH	
177	3-392-958-01	SPRING (R)	
178	3-896-913-11	SCREW (B2X6), P3 TAPPING	
179	7-623-205-22	SW 2, TYPE 2	
180	7-621-255-25	SCREW +PTT 2X4 (S)	
181	3-392-970-01	CHASSIS, SWITCH	
182	3-321-393-01	RING, STOPPER	
PM901	1-454-464-11	SOLENOID, PLUNGER	

(5) MD ASSEMBLY 3



No.	Part No.	Description	Remarks
201	3-676-387-00	POLY-SLIDER (DIA.1.6)	
202	3-392-943-01	ROLLER, FF	
203	*3-392-930-01	RETAINER, SPRING	
204	3-392-956-01	SPRING (B)	
205	3-392-955-01	SPRING (A)	
206	3-392-988-01	ARM, ADJUSTOR	
207	3-392-931-01	SEAM, ADJUSTOR	
208	3-392-984-01	GUIDE, TAPE	
209	3-392-971-01	LINK, ADJUSTOR	
210	*3-392-975-02	PLATE ASSY, HEAD	
211	7-624-105-04	STOP RING 2.3, TYPE -E	
212	3-392-952-01	SPRING	
213	3-392-942-01	ROLLER (B), H.P	
214	3-392-945-01	ROLLER (A), H.P	
215	3-570-615-00	POLY-WASHER (DIA.1.2)	
216	*3-392-919-01	ARM ASSY, F.R SELECTION	
217	3-392-962-01	SPRING	
218	3-590-768-00	RING (A), E	
219	3-701-437-11	POLY-SLIDER (A)	
220	3-392-914-01	BRACKET ASSY, CM	
221	3-392-963-01	SPRING (R)	
222	3-392-916-01	ARM ASSY, TU GEAR	
223	3-392-941-01	PULLEY (A), IDLE	
224	3-392-995-01	FLYWHEEL ASSY (R)	
225	3-392-938-01	GEAR, PULLY	
226	3-392-965-01	BELT (B), SUB	
227	*3-392-979-01	LEVER, REVERSE	
228	7-624-104-04	STOP RING 2.0, TYPE -E	
229	*3-392-925-01	ARM (A) ASSY, F.R	
230	*3-392-939-01	ARM, FF	
231	*3-392-934-01	ARM (B), F.R	
232	3-392-926-01	FLYWHEEL ASSY	
233	3-392-967-01	BELT, MAIN	
234	7-627-553-48	SCREW, PRECISION +P 2X4	
235	3-392-909-01	SCREW, AZIMUTH ADJUSTMENT	
236	7-621-255-25	SCREW +PTT 2X4 (S)	
237	3-318-203-11	SCREW (B1.7X6), TAPPING	
238	3-392-918-01	SCREW, EJECT HOOK	
239	7-627-554-07	PRECISION SCREW +P 2X2.2 TYPE3	
241	*3-392-974-01	CHASSIS ASSY, MAIN	
HP901	1-543-529-21	HEAD, MAGNETIC (PLAYBACK)	
M901	3-392-908-01	MOTOR ASSY	
S903	1-554-790-11	SWITCH, POWER (TAPE/RADIO)	

(6) BRACKET ASSEMBLY (XR-5050/5051/5052)



No.	Part No.	Description	Remarks
251	3-340-640-01	(5050/5051/5052)...FRAME, ORNAMENTAL	
252	A-3235-530-A	(5050/5051/5052)...HANDLE ASSY	
253	*3-340-673-01	(5050/5051/5052)...COLLAR (JACK)	
254	3-340-614-01	(5050/5051/5052)...SCREW (JACK), STEP	
255	7-627-553-38	(5050/5051/5052)...SCREW, PRECISION +P 2X3	
256	7-682-548-04	(5050/5051/5052)...SCREW +B 3X8	
257	3-329-814-01	(5050/5051/5052)...SCREW (M4X6), SPECIAL PAN (+)	
CNJ901	1-574-598-11	(5050/5051/5052)...CORD (WITH CONNECTOR) (SOCKET)	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

Ref.No.	Part No.	Description			
901	*1-630-123-11	PC BOARD, CONTROL			
902	*A-3279-826-A	(5050/5051/5040)..MOUNTED PCB, AMS, EQ			
	*A-3279-832-A	(5052).....MOUNTED PCB, AMS, EQ			
903	*A-3279-831-A	(5051).....MOUNTED PCB, AM			
	*A-3279-834-A	(5050/5052)...MOUNTED PCB, AM			
	*A-3279-836-A	(5040).....MOUNTED PCB, AM			
904	*A-3279-833-A	(5052)....MOUNTED PCB, SDK			
905	*A-3216-745-A	(5040)...PC BOARD ASSY, MAIN			
	*A-3216-746-A	(5050)...PC BOARD ASSY, MAIN			
	*A-3216-747-A	(5052)...PC BOARD ASSY, MAIN			
	*A-3216-748-A	(5051)...PC BOARD ASSY, MAIN			
906	*1-630-121-11	PC BOARD, SW			
907	*1-630-117-11	PC BOARD, FLAT AMP			
908	*1-630-115-11	PC BOARD, VOL			
909	*1-630-116-11	PC BOARD, TONE			
910	*1-630-122-11	(5040)...PC BOARD, CONNECTOR			
911	1-574-601-11	(5040)....CORD, SPEAKER			
BT701	1-528-225-21	(5050/5051/5052)...BATTERY, LITHIUM			
C1	1-163-161-00	CERAMIC MELF	15PF	5%	50V
C2	1-163-063-00	CERAMIC MELF	0.022MF		25V
C3	1-161-051-00	CERAMIC	0.01MF	10%	25V
C4	1-163-063-00	CERAMIC MELF	0.022MF		25V
C5	1-163-063-00	CERAMIC MELF	0.022MF		25V
C6	1-124-446-11	ELECT	47MF	20%	10V
C7	1-161-021-11	CERAMIC	0.047MF	10%	25V
C8	1-163-169-00	CERAMIC MELF	33PF	5%	50V
C9	1-131-587-11	TANTALUM	0.68MF	10%	35V
C10	1-131-342-00	TANTALUM	0.15MF	10%	35V
C11	1-126-094-11	ELECT	4.7MF	20%	25V
C12	1-163-063-00	CERAMIC MELF	0.022MF		25V
C13	1-163-063-00	CERAMIC MELF	0.022MF		25V
C14	1-124-229-00	ELECT	33MF	20%	10V
C15	1-126-160-11	ELECT	1MF	20%	50V
C16	1-124-465-00	ELECT	0.47MF	20%	50V
C17	1-163-063-00	CERAMIC MELF	0.022MF		25V
C21	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C22	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C23	1-124-234-00	ELECT	22MF	20%	16V
C24	1-163-213-00	CERAMIC MELF	0.0022MF	20%	16V
C25	1-161-021-11	CERAMIC	0.047MF	10%	25V
C26	1-126-094-11	ELECT	4.7MF	20%	25V
C27	1-161-045-00	CERAMIC	0.0033MF	10%	25V
C28	1-124-589-11	ELECT	47MF	20%	10V
C29	1-163-177-00	CERAMIC MELF	68PF	5%	50V
C31	1-161-057-00	CERAMIC	0.033MF	10%	25V

Ref.No.	Part No.	Description			
C32	1-124-464-11	ELECT	0.22MF	20%	50V
C33	1-126-160-11	ELECT	1MF	20%	50V
C34	1-124-229-00	ELECT	33MF	20%	10V
C35	1-163-063-00	CERAMIC MELF	0.022MF		25V
C36	1-161-054-00	CERAMIC	0.018MF	10%	25V
C37	1-161-054-00	CERAMIC	0.018MF	10%	25V
C38	1-126-160-11	ELECT	1MF	20%	50V
C39	1-163-161-00	CERAMIC MELF	15PF	5%	50V
C101	1-163-209-00	CERAMIC MELF	0.0015MF	20%	16V
C102	1-126-160-11	ELECT	1MF	20%	50V
C103	1-124-225-00	ELECT	100MF	20%	6.3V
C104	1-130-485-00	MYLAR	0.015MF	5%	50V
C105	1-136-161-00	FILM	0.047MF	5%	50V
C106	1-163-185-00	CERAMIC MELF	150PF	10%	50V
C121	1-126-162-11	ELECT	3.3MF	20%	35V
C122	1-126-162-11	ELECT	3.3MF	20%	35V
C123	1-163-193-00	CERAMIC MELF	330PF	10%	50V
C124	1-126-094-11	ELECT	4.7MF	20%	25V
C125	1-126-094-11	ELECT	4.7MF	20%	25V
C131	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C132	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C133	1-161-021-11	CERAMIC	0.047MF	10%	25V
C134	1-161-054-00	CERAMIC	0.018MF	10%	25V
C151	1-163-185-00	CERAMIC MELF	150PF	10%	50V
C152	1-161-020-11	CERAMIC	0.039MF	10%	25V
C201	1-163-209-00	CERAMIC MELF	0.0015MF	20%	16V
C202	1-126-160-11	ELECT	1MF	20%	50V
C203	1-124-225-00	ELECT	100MF	20%	6.3V
C204	1-130-485-00	MYLAR	0.015MF	5%	50V
C205	1-136-161-00	FILM	0.047MF	5%	50V
C206	1-163-185-00	CERAMIC MELF	150PF	10%	50V
C221	1-126-162-11	ELECT	3.3MF	20%	35V
C222	1-126-162-11	ELECT	3.3MF	20%	35V
C223	1-163-193-00	CERAMIC MELF	330PF	10%	50V
C224	1-126-094-11	ELECT	4.7MF	20%	25V
C225	1-126-094-11	ELECT	4.7MF	20%	25V
C231	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C232	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C233	1-161-021-11	CERAMIC	0.047MF	10%	25V
C234	1-161-054-00	CERAMIC	0.018MF	10%	25V
C251	1-163-185-00	CERAMIC MELF	150PF	10%	50V
C252	1-161-020-11	CERAMIC	0.039MF	10%	25V
C301	1-124-584-00	ELECT	100MF	20%	10V
C302	1-126-157-11	ELECT	10MF	20%	16V
C303	1-124-589-11	ELECT	47MF	20%	10V

Ref.No.	Part No.	Description			
C311	1-124-229-00	ELECT	33MF	20%	10V
C321	1-124-257-00	ELECT	2.2MF	20%	50V
C322	1-126-094-11	(5052)...ELECT	4.7MF	20%	25V
C331	1-124-229-00	ELECT	33MF	20%	10V
C332	1-163-201-00	CERAMIC MELF	680PF	10%	50V
C341	1-124-443-00	ELECT	100MF	20%	10V
C342	1-123-306-00	ELECT	47MF	20%	10V
C343	1-126-157-11	ELECT	10MF	20%	16V
C351	1-124-229-00	ELECT	33MF	20%	10V
C352	1-124-589-11	ELECT	47MF	20%	10V
C353	1-124-229-00	ELECT	33MF	20%	10V
C354	1-124-556-11	ELECT	2200MF	20%	16V
C356	1-161-051-00	CERAMIC	0.01MF	10%	25V
C357	1-126-101-11	ELECT	100MF	20%	16V
C358	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C359	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C360	1-163-063-00	CERAMIC MELF	0.022MF		25V
C371	1-136-161-00	FILM	0.047MF	5%	50V
C372	1-163-055-00	CERAMIC MELF	0.0047MF	20%	16V
C373	1-131-344-00	TANTALUM	0.33MF	10%	35V
C374	1-124-465-00	ELECT	0.47MF	20%	50V
C375	1-126-094-11	ELECT	4.7MF	20%	25V
C376	1-124-234-00	ELECT	22MF	20%	16V
C377	1-126-094-11	ELECT	4.7MF	20%	25V
C401	1-124-257-00	ELECT	2.2MF	20%	50V
C402	1-124-257-00	ELECT	2.2MF	20%	50V
C403	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C404	1-124-257-00	ELECT	2.2MF	20%	50V
C421	1-124-257-00	ELECT	2.2MF	20%	50V
C422	1-124-257-00	ELECT	2.2MF	20%	50V
C423	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C424	1-124-257-00	ELECT	2.2MF	20%	50V
C451	1-124-119-00	ELECT	330MF	20%	16V
C452	1-126-096-11	ELECT	10MF	20%	25V
C453	1-124-589-11	ELECT	47MF	20%	16V
C454	1-126-157-11	ELECT	10MF	20%	16V
C455	1-124-229-00	(5052)...ELECT	33MF	20%	10V
C501	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C502	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C504	1-163-117-00	(5051)..CERAMIC CHIP	100PF	5%	50V
C505	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C506	1-163-075-00	CERAMIC CHIP	0.047MF	10%	25V
C507	1-163-075-00	(5051)..CERAMIC CHIP	0.047MF	10%	25V
C508	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C509	1-163-075-00	CERAMIC CHIP	0.047MF	10%	25V
C510	1-163-075-00	CERAMIC CHIP	0.047MF	10%	25V
C512	1-163-115-00	(5051)..CERAMIC CHIP	82PF	5%	50V
C513	1-136-736-11	FILM	430PF	5%	50V
C514	1-136-736-11	(5051)..FILM	430PF	5%	50V
C517	1-124-589-11	ELECT	47MF	20%	10V
C518	1-126-094-11	ELECT	4.7MF	20%	25V
C519	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C520	1-163-021-00	CERAMIC CHIP	0.01MF	10%	50V
C521	1-126-160-11	ELECT	1MF	20%	50V
C522	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C524	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C525	1-162-587-91	CERAMIC CHIP	0.039MF	10%	25V

Ref.No.	Part No.	Description			
C526	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C527	1-163-021-00	CERAMIC CHIP	0.01MF	10%	50V
C528	1-126-162-11	ELECT	3.3MF	20%	25V
C529	1-126-094-11	ELECT	4.7MF	20%	25V
C530	1-124-589-11	ELECT	47MF	20%	10V
C531	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V
C532	1-124-465-00	ELECT	0.47MF	20%	50V
C533	1-163-021-00	CERAMIC CHIP	0.01MF	10%	50V
C534	1-163-103-00	(5051)...CERAMIC CHIP	27PF	5%	50V
C535	1-124-229-00	ELECT	33MF	20%	10V
C551	1-124-252-00	(5051)...ELECT	0.33MF	20%	50V
C551	1-126-160-11	(5040/5050/5052) ...ELECT	1MF	20%	50V
C552	1-124-463-00	ELECT	0.1MF	20%	50V
C601	1-126-162-11	ELECT	3.3MF	20%	35V
C602	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C603	1-124-963-11	ELECT	33MF	20%	10V
C604	1-130-773-91	FILM	0.27MF	10%	63V
C605	1-130-773-91	FILM	0.27MF	10%	63V
C621	1-126-162-11	ELECT	3.3MF	20%	35V
C622	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C623	1-124-963-11	ELECT	33MF	20%	10V
C624	1-130-773-91	FILM	0.27MF	10%	63V
C625	1-130-773-91	FILM	0.27MF	10%	63V
C630	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C631	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C632	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C633	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C634	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C635	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C636	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C701	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C702	1-163-165-00	CERAMIC MELF	22PF	5%	50V
C703	1-163-165-00	CERAMIC MELF	22PF	5%	50V
C704	1-163-059-00	(5052)...CERAMIC MELF	0.01MF	30%	16V
C705	1-124-463-00	ELECT	0.1MF	20%	50V
C706	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C707	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C708	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C709	1-163-059-00	(5052)...CERAMIC MELF	0.01MF	30%	16V
C710	1-161-055-00	CERAMIC	0.022MF	10%	25V
C711	1-126-094-11	ELECT	4.7MF	20%	25V
C712	1-126-094-11	ELECT	4.7MF	20%	25V
C713	1-161-055-00	CERAMIC	0.022MF	10%	25V
C714	1-124-472-11	ELECT	470MF	20%	10V
C715	1-124-225-00	ELECT	100MF	20%	6.3V
C716	1-163-059-00	CERAMIC MELF	0.01MF	30%	16V
C717	1-163-063-00	CERAMIC MELF	0.022MF		25V
C718	1-124-589-11	ELECT	47MF	20%	10V
C851	1-130-477-00	(5052)...MYLAR	0.0033MF	5%	50V
C852	1-124-463-00	(5052)...ELECT	0.1MF	20%	50V
C853	1-126-094-11	(5052)...ELECT	4.7MF	20%	35V
C854	1-163-175-00	(5052)...CERAMIC MELF	56PF	5%	50V
C855	1-136-163-00	(5052)...FILM	0.068MF	5%	50V
C856	1-136-163-00	(5052)...FILM	0.068MF	5%	50V
C857	1-124-250-00	(5052)...ELECT	0.15MF	20%	50V
C858	1-136-164-00	(5052)...FILM	0.082MF	5%	50V
C859	1-136-161-00	(5052)...FILM	0.047MF	5%	50V

Ref.No.	Part No.	Description
C860	1-136-158-00	(5052)...FILM 0.027MF 5% 50V
C861	1-124-229-00	(5052)...ELECT 33MF 20% 10V
C862	1-124-250-00	(5052)...ELECT 0.15MF 20% 50V
C863	1-124-234-00	(5052)...ELECT 22MF 20% 10V
C864	1-126-157-11	(5052)...ELECT 10MF 20% 16V
C901	1-161-055-00	CERAMIC 0.022MF 10% 25V
CF1	1-567-107-00	FILTER, CERAMIC
CF501	1-567-309-11	FILTER, CERAMIC
CNJ1	1-574-033-11	(5040)...CORD (WITH CONNECTOR)(ANT)
CNJ501	*1-564-678-11	PIN, CONNECTOR 6P
CNJ502	*1-564-679-11	PIN, CONNECTOR 8P
CNJ901	1-574-598-11	(5050/5051/5052)..CORD (WITH CONNECTOR) (SOCKET)
CNP1	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P
CNP2	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P
CNP3	*1-506-498-11	PIN, CONNECTOR 6P
CNP4	*1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P
CNP5	*1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
CNP6	*1-566-007-11	PIN, CONNECTOR (PC BOARD) 10P
CNP7	*1-506-992-11	PIN, CONNECTOR (PC BOARD) 10P
CNP8	*1-566-002-21	PIN, CONNECTOR (PC BOARD) 5P
CNP9	*1-566-006-11	PIN, CONNECTOR (PC BOARD) 9P
CNP10	1-506-988-11	(5052)...PIN, CONNECTOR (PC BOARD) 6P
CNP11	1-506-986-11	(5052)...PIN, CONNECTOR (PC BOARD) 4P
CNP12	1-506-987-11	(5052)...PIN, CONNECTOR (PC BOARD) 5P
CNP13	*1-506-496-11	PIN, CONNECTOR 3P
CNP14	*1-506-987-11	PIN, CONNECTOR (PC BOARD) 5P
CNP15	*1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P
CNP501	*1-562-637-11	SOCKET, CONNECTOR 6P
CNP502	*1-562-638-11	SOCKET, CONNECTOR 8P
CNP851	1-565-649-11	(5040)...CONNECTOR 5P
CNP901	1-574-599-11	(5050/5051/5052)..CORD (WITH CONNECTOR) (PLUG)
CNS701	*1-563-373-11	SOCKET, CONNECTOR 25P
CT501	1-141-227-00	CAP, CERAMIC TRIMMER
CT502	1-141-229-00	CAP, TRIMMER
CT503	1-141-232-00	CAP, TRIMMER
D1	8-719-110-46	DIODE RD16ES-B3
D2	8-719-110-46	DIODE RD16ES-B3
D3	8-719-911-19	DIODE 1SS119
D4	8-719-911-19	DIODE 1SS119
D5	8-719-911-19	DIODE 1SS119
D6	8-719-970-44	DIODE LTZ-MR15
D7	8-719-911-19	DIODE 1SS119
D101	8-719-911-19	(5040/5050/5051)...DIODE 1SS119
D201	8-719-911-19	(5040/5050/5051)...DIODE 1SS119
D301	8-719-110-13	DIODE RD9.1ES-B2
D302	8-719-911-19	DIODE 1SS119
D311	8-719-100-08	DIODE RD8.2ES-B2
D312	8-719-109-89	DIODE RD5.6ES-B2
D341	8-719-911-19	DIODE 1SS119
D351	8-719-911-19	DIODE 1SS119
D352	8-719-110-13	DIODE RD9.1ES-B2
D353	8-719-110-17	DIODE RD10ES-B2
D354	8-719-911-19	DIODE 1SS119
D355	8-719-911-19	DIODE 1SS119
D356	8-719-911-19	DIODE 1SS119
D357	8-719-200-02	(5050/5051/5052)...DIODE 10E-2
D358	8-719-200-02	DIODE 10E-2
D359	8-719-911-54	DIODE U05E
D360	8-719-200-02	DIODE 10E-2
D371	8-719-200-02	DIODE 10E-2
D372	8-719-911-19	DIODE 1SS119
D373	8-719-109-66	DIODE RD3.3ESB2
D451	8-719-911-19	DIODE 1SS119
D452	8-719-911-19	DIODE 1SS119
D453	8-719-911-19	DIODE 1SS119
D454	8-719-110-13	DIODE RD9.1ES-B2
D455	8-719-911-19	DIODE 1SS119
D456	8-719-911-19	DIODE 1SS119
D457	8-719-911-19	DIODE 1SS119
D458	8-719-911-19	DIODE 1SS119
D459	8-719-911-19	(5052)...DIODE 1SS119
D502	1-808-451-21	DIODE SVC321SP-B3
D503	1-808-451-21	DIODE SVC321SP-B3
D504	1-808-451-21	DIODE SVC321SP-B3
D551	8-719-911-19	DIODE 1SS119
D552	8-719-911-19	DIODE 1SS119
D553	8-719-911-19	DIODE 1SS119
D554	8-719-911-19	DIODE 1SS119
D701	8-719-911-19	DIODE 1SS119
D703	8-719-911-19	DIODE 1SS119
D704	8-719-911-19	DIODE 1SS119
D705	8-719-911-19	DIODE 1SS119
D706	8-719-911-19	DIODE 1SS119
D707	8-719-911-19	DIODE 1SS119
D708	8-719-911-19	(5052)...DIODE 1SS119
D709	8-719-911-19	(5052)...DIODE 1SS119
D710	8-719-911-19	DIODE 1SS119
D711	8-719-911-19	(5052)...DIODE 1SS119
D712	8-719-911-19	DIODE 1SS119
D713	8-719-911-19	DIODE 1SS119
D714	8-719-911-19	DIODE 1SS119
D715	8-719-911-19	(5040/5050:E)...DIODE 1SS119
D716	8-719-911-19	(5040/5050:E)...DIODE 1SS119
D717	8-719-911-19	(5040/5050/5052)...DIODE 1SS119
D718	8-719-108-26	(5050/5051/5052)...DIODE 1SS101
D719	8-719-200-02	DIODE 10E-2
D720	8-719-109-93	DIODE RD6.2ES-B2
D722	8-719-911-19	(5040/5050/5051)...DIODE 1SS119
D751	8-719-942-14	DIODE MAY3877S
D752	8-719-942-14	DIODE MAY3877S
D753	8-719-942-14	DIODE MAY3877S
D801	8-719-975-84	DIODE AY1101W
D802	8-719-975-84	DIODE AY1101W
D803	8-719-975-84	DIODE AY1101W
D804	8-719-975-84	DIODE AY1101W
D805	8-719-975-84	DIODE AY1101W
D806	8-719-975-84	DIODE AY1101W
D807	8-719-975-84	DIODE AY1101W
D808	8-719-975-84	DIODE AY1101W
D809	8-719-975-84	DIODE AY1101W
D810	8-719-975-84	DIODE AY1101W
D811	8-719-975-84	DIODE AY1101W

Ref.No.	Part No.	Description
D812	8-719-975-84	DIODE AY1101W
D813	8-719-975-84	DIODE AY1101W
D814	8-719-975-84	DIODE AY1101W
D851	8-719-911-19	(5052)...DIODE 1SS119
D852	8-719-911-19	(5052)...DIODE 1SS119
D853	8-719-110-08	(5052)...DIODE RD8.2ES-B2
D854	8-719-911-19	(5052)...DIODE 1SS119
D855	8-719-911-19	(5052)...DIODE 1SS119
D856	8-719-911-19	(5052)...DIODE 1SS119
D901	8-719-911-19	(5040/5050/5051)...DIODE 1SS119
FE1	1-465-043-11	FRONT END, FM
HP901	1-543-529-21	HEAD, MAGNETIC (PLAYBACK)
IC1	8-759-820-06	IC LA1145M
IC2	8-759-821-67	IC LA2110M
IC3	8-759-821-70	IC LA3430M
IC301	8-759-100-96	IC UPC4558G2
IC331	8-759-100-96	IC UPC4558G2
IC341	8-759-230-25	IC TA8210H
IC371	8-759-800-71	IC LA2010
IC372	8-759-105-60	IC UPC1228HA
IC501	8-759-821-73	IC LA1137M
IC701	8-759-145-91	IC UPD1708AG-821-00
IC851	8-759-971-69	(5052)...IC TDA1579
IC852	8-759-140-66	(5052)...IC UPD4066BC
L1	1-410-505-	INDUCTOR 4.7UH
L2	1-410-316-11	INDUCTOR 1UH
L3	1-410-312-11	INDUCTOR 0.22UH
L351	1-410-396-41	(5050:AEP/5052)...FERRITE BEAD INDUCTOR
L352	1-410-397-21	(5050:AEP/5052)...FERRITE BEAD INDUCTOR
L501	1-410-513-11	INDUCTOR 22UH
L502	1-402-423-11	(5051)...COIL (ANT)
L502	1-402-149-11	(5040/5050/5052)...COIL, MW ANT
L503	1-410-513-11	INDUCTOR 22UH
L851	1-424-036-11	(5052)...COIL (FILTER)
LCD1	1-808-688-11	(5051)...DISPLAY PANEL, LIQUID CRYSTAL
LCD1	1-808-689-11	(5040/5050/5052) ...DISPLAY PANEL, LIQUID CRYSTAL
M901	3-392-908-01	MOTOR ASSY
PM901	1-454-464-11	SOLENOID, PLUNGER
PL901	1-518-629-51	LAMP, PILOT
PL902	1-518-629-51	LAMP, PILOT
Q1	8-729-853-63	TRANSISTOR 2SC536SP
Q2	8-729-204-83	TRANSISTOR 2SA1048-GR
Q101	1-807-893-11	TRANSISTOR DTC124TS
Q121	8-729-853-63	TRANSISTOR 2SC536SP
Q151	8-729-207-36	TRANSISTOR 2SJ105
Q201	1-807-893-11	TRANSISTOR DTC124TS
Q221	8-729-853-63	TRANSISTOR 2SC536SP
Q251	8-729-207-36	TRANSISTOR 2SJ105
Q301	8-729-853-63	TRANSISTOR 2SC536SP
Q321	8-729-811-24	(5052)...TRANSISTOR 2SD1012
Q322	8-729-853-63	(5052)...TRANSISTOR 2SC536SP
Q351	8-729-204-83	TRANSISTOR 2SA1048-GR
Q352	8-729-205-02	TRANSISTOR 2SA1150
Q353	1-807-893-11	TRANSISTOR DTC124TS
Q354	8-729-967-32	TRANSISTOR 2SC2673
Q355	8-729-967-32	TRANSISTOR 2SC2673

Ref.No.	Part No.	Description
Q356	8-729-967-32	TRANSISTOR 2SC2673
Q357	8-729-102-03	TRANSISTOR 2SD1020
Q358	8-729-853-63	TRANSISTOR 2SC536SP
Q359	8-729-204-83	TRANSISTOR 2SA1048-GR
Q371	8-729-205-95	TRANSISTOR 2SA1428
Q372	8-729-853-63	TRANSISTOR 2SC536SP
Q401	8-729-811-24	TRANSISTOR 2SD1012
Q421	8-729-811-24	TRANSISTOR 2SD1012
Q451	8-729-205-95	(5052)...TRANSISTOR 2SA1428
Q452	8-729-853-63	(5052)...TRANSISTOR 2SC536SP
Q501	8-729-883-92	TRANSISTOR 2SC2839
Q502	8-729-821-81	TRANSISTOR 2SK715-UAC
Q503	8-729-853-63	TRANSISTOR 2SC536SP
Q504	8-729-811-24	(5051)...TRANSISTOR 2SD1012
Q505	8-729-883-92	(5051)...TRANSISTOR 2SC2839
Q506	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q507	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q508	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q509	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q551	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q552	8-729-853-63	(5051)...TRANSISTOR 2SC536SP
Q701	8-729-853-63	TRANSISTOR 2SC536SP
Q702	8-729-853-63	(5052)...TRANSISTOR 2SC536SP
Q703	8-729-204-83	TRANSISTOR 2SA1048-GR
Q704	8-729-853-63	TRANSISTOR 2SC536SP
Q705	8-729-853-63	TRANSISTOR 2SC536SP
Q706	8-729-204-83	TRANSISTOR 2SA1048-GR
Q707	8-729-853-63	(5052)...TRANSISTOR 2SC536SP
Q708	8-729-853-63	TRANSISTOR 2SC536SP
Q709	8-729-853-63	TRANSISTOR 2SC536SP
Q710	8-729-100-12	TRANSISTOR 2SC2001-L
Q851	8-729-811-24	(5052)...TRANSISTOR 2SD1012
Q852	8-729-853-63	(5052)...TRANSISTOR 2SC536SP
R1	1-249-437-11	CARBON MELF 47K 5% 1/5W
R2	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R3	1-249-390-11	CARBON MELF 5.6 5% 1/5W
R4	1-249-395-11	CARBON MELF 15 5% 1/5W
R5	1-249-411-11	CARBON MELF 330 5% 1/5W
R6	1-249-437-11	CARBON MELF 47K 5% 1/5W
R7	1-249-432-11	CARBON MELF 18K 5% 1/5W
R8	1-249-441-11	CARBON MELF 100K 5% 1/5W
R9	1-249-433-11	CARBON MELF 22K 5% 1/5W
R10	1-249-427-11	CARBON MELF 6.8K 5% 1/5W
R11	1-249-393-11	CARBON MELF 10 5% 1/5W
R12	1-249-434-11	CARBON MELF 27K 5% 1/5W
R13	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R14	1-249-429-11	CARBON MELF 10K 5% 1/5W
R15	1-249-431-11	CARBON MELF 15K 5% 1/5W
R21	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R22	1-249-437-11	CARBON MELF 47K 5% 1/5W
R23	1-249-427-11	CARBON MELF 6.8K 5% 1/5W
R24	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R25	1-215-454-00	CARBON MELF 24K 5% 1/5W
R26	1-249-433-11	CARBON MELF 22K 5% 1/5W
R27	1-249-393-11	CARBON MELF 10 5% 1/5W
R31	1-215-438-00	CARBON MELF 5.1K 5% 1/5W
R32	1-249-393-11	CARBON MELF 10 5% 1/5W

Ref.No.	Part No.	Description
R33	1-249-424-11	(5052)...CARBON MELF 3.9K 5% 1/5W
R33	1-249-430-11	(5040/5050/5051) ...CARBON MELF 12K 5% 1/5W
R34	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R35	1-249-424-11	(5052)...CARBON MELF 3.9K 5% 1/5W
R35	1-249-430-11	(5040/5050/5051) ...CARBON MELF 12K 5% 1/5W
R36	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R37	1-249-438-11	CARBON MELF 56K 5% 1/5W
R38	1-215-462-00	CARBON MELF 51K 5% 1/5W
R39	1-249-435-11	CARBON MELF 33K 5% 1/5W
R40	1-249-422-11	CARBON MELF 2.7K 5% 1/5W
R41	1-249-432-11	CARBON MELF 18K 5% 1/5W
R42	1-249-420-11	CARBON MELF 1.8K 5% 1/5W
R101	1-249-404-00	CARBON MELF 82 5% 1/5W
R102	1-215-477-00	CARBON MELF 220K 5% 1/5W
R103	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R104	1-249-038-00	CARBON MELF 1.2K 5% 1/5W
R105	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R106	1-249-419-11	CARBON MELF 1.5K 5% 1/5W
R107	1-215-481-00	CARBON MELF 330K 5% 1/5W
R121	1-249-441-11	CARBON MELF 100K 5% 1/5W
R122	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R123	1-249-435-11	CARBON MELF 33K 5% 1/5W
R124	1-249-441-11	CARBON MELF 100K 5% 1/5W
R125	1-249-440-11	CARBON MELF 82K 5% 1/5W
R126	1-249-441-11	CARBON MELF 100K 5% 1/5W
R127	1-249-433-11	CARBON MELF 22K 5% 1/5W
R131	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R132	1-249-438-11	CARBON MELF 56K 5% 1/5W
R133	1-249-431-11	CARBON MELF 15K 5% 1/5W
R134	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R135	1-249-413-11	CARBON MELF 470 5% 1/5W
R151	1-249-436-11	CARBON MELF 39K 5% 1/5W
R152	1-215-473-00	CARBON MELF 150K 5% 1/5W
R153	1-215-462-00	CARBON MELF 51K 5% 1/5W
R154	1-215-473-00	CARBON MELF 150K 5% 1/5W
R201	1-249-404-00	CARBON MELF 82 5% 1/5W
R202	1-215-477-00	CARBON MELF 220K 5% 1/5W
R203	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R204	1-249-038-00	CARBON MELF 1.2K 5% 1/5W
R205	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R206	1-249-419-11	CARBON MELF 1.5K 5% 1/5W
R207	1-215-481-00	CARBON MELF 330K 5% 1/5W
R221	1-249-441-11	CARBON MELF 100K 5% 1/5W
R222	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R223	1-249-435-11	CARBON MELF 33K 5% 1/5W
R224	1-249-441-11	CARBON MELF 100K 5% 1/5W
R225	1-249-440-11	CARBON MELF 82K 5% 1/5W
R226	1-249-441-11	CARBON MELF 100K 5% 1/5W
R227	1-249-433-11	CARBON MELF 22K 5% 1/5W
R231	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R232	1-249-438-11	CARBON MELF 56K 5% 1/5W
R233	1-249-431-11	CARBON MELF 15K 5% 1/5W
R234	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R235	1-249-413-11	CARBON MELF 470 5% 1/5W
R251	1-249-436-11	CARBON MELF 39K 5% 1/5W

Ref.No.	Part No.	Description
R252	1-215-473-00	CARBON MELF 150K 5% 1/5W
R253	1-215-462-00	CARBON MELF 51K 5% 1/5W
R254	1-215-473-00	CARBON MELF 150K 5% 1/5W
R301	1-249-397-11	CARBON MELF 22 5% 1/5W
R302	1-249-433-11	CARBON MELF 22K 5% 1/5W
R303	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R311	1-249-397-11	CARBON MELF 22 5% 1/5W
R312	1-215-394-00	CARBON MELF 75 5% 1/5W
R321	1-249-438-11	CARBON MELF 56K 5% 1/5W
R322	1-249-433-11	(5052)...CARBON MELF 22K 5% 1/5W
R323	1-249-424-11	(5052)...CARBON MELF 3.9K 5% 1/5W
R324	1-249-436-11	CARBON MELF 39K 5% 1/5W
R325	1-215-489-00	(5052)...CARBON MELF 680K 5% 1/5W
R331	1-249-397-11	CARBON MELF 22 5% 1/5W
R341	1-249-417-11	CARBON MELF 1K 5% 1/5W
R342	1-215-485-00	CARBON MELF 470K 5% 1/5W
R344	1-249-436-11	CARBON MELF 39K 5% 1/5W
R345	1-249-441-11	CARBON MELF 100K 5% 1/5W
R351	1-249-427-11	CARBON MELF 6.8K 5% 1/5W
R352	1-249-433-11	CARBON MELF 22K 5% 1/5W
R353	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R354	1-249-397-11	CARBON MELF 22 5% 1/5W
R355	1-249-397-11	CARBON MELF 22 5% 1/5W
R356	1-249-397-11	CARBON MELF 22 5% 1/5W
R357	1-249-437-11	CARBON MELF 47K 5% 1/5W
R358	1-249-417-11	CARBON MELF 1K 5% 1/5W
R359	1-249-417-11	CARBON MELF 1K 5% 1/5W
R360	1-249-432-11	CARBON MELF 18K 5% 1/5W
R361	1-249-429-11	CARBON MELF 10K 5% 1/5W
R362	1-249-435-11	CARBON MELF 33K 5% 1/5W
R363	1-249-425-11	CARBON MELF 4.7K 5% 1/5W
R364	1-249-431-11	CARBON MELF 15K 5% 1/5W
R365	1-249-432-11	CARBON MELF 18K 5% 1/5W
R366	1-249-407-11	CARBON MELF 150 5% 1/5W
R367	1-249-026-00	CARBON MELF 120 5% 1/5W
R368	1-249-026-00	CARBON MELF 120 5% 1/5W
R369	1-249-026-00	CARBON MELF 120 5% 1/5W
R370	1-249-026-00	CARBON MELF 120 5% 1/5W
R371	1-215-442-00	CARBON MELF 7.5K 5% 1/5W
R372	1-215-484-00	CARBON MELF 430K 5% 1/5W
R373	1-249-441-11	CARBON MELF 100K 5% 1/5W
R374	1-249-433-11	CARBON MELF 22K 5% 1/5W
R375	1-249-411-11	CARBON MELF 330 5% 1/5W
R376	1-249-411-11	CARBON MELF 330 5% 1/5W
R401	1-215-473-00	CARBON MELF 150K 5% 1/5W
R402	1-215-472-00	CARBON MELF 130K 5% 1/5W
R403	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R404	1-249-433-11	CARBON MELF 22K 5% 1/5W
R405	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R406	1-249-435-11	CARBON MELF 33K 5% 1/5W
R421	1-215-473-00	CARBON MELF 150K 5% 1/5W
R422	1-215-472-00	CARBON MELF 130K 5% 1/5W
R423	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R424	1-249-433-11	CARBON MELF 22K 5% 1/5W
R425	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R426	1-249-435-11	CARBON MELF 33K 5% 1/5W
R451	1-249-389-11	CARBON MELF 4.7 5% 1/5W

Ref.No.	Part No.	Description
R452	1-249-389-11	CARBON MELF 4.7 5% 1/5W
R453	1-249-417-11	CARBON MELF 1K 5% 1/5W
R454	1-249-440-11	CARBON MELF 82K 5% 1/5W
R455	1-249-417-11	CARBON MELF 1K 5% 1/5W
R456	1-249-432-11	CARBON MELF 18K 5% 1/5W
R457	1-249-433-11	CARBON MELF 22K 5% 1/5W
R458	1-249-429-11	CARBON MELF 10K 5% 1/5W
R459	1-249-437-11	CARBON MELF 47K 5% 1/5W
R460	1-249-425-11	(5052)...CARBON MELF 4.7K 5% 1/5W
R461	1-249-433-11	(5052)...CARBON MELF 22K 5% 1/5W
R462	1-249-038-00	(5052)...CARBON MELF 1.2K 5% 1/5W
R463	1-249-414-11	(5052)...CARBON MELF 560 5% 1/5W
R501	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R502	1-216-042-00	METAL GLAZE 510 5% 1/10W
R503	1-216-121-00	METAL GLAZE 1M 5% 1/10W
R505	1-216-168-00	(5040/5050/5052) ...METAL GLAZE 56 5% 1/8W
R506	1-216-001-00	(5051)...METAL GLAZE 10 5% 1/10W
R507	1-216-065-00	(5051)...METAL GLAZE 4.7K 5% 1/10W
R508	1-216-073-00	(5051)...METAL GLAZE 10K 5% 1/10W
R509	1-216-073-00	(5051)...METAL GLAZE 10K 5% 1/10W
R511	1-216-246-00	METAL GLAZE 100K 5% 1/8W
R512	1-216-246-00	METAL GLAZE 100K 5% 1/8W
R513	1-216-239-00	(5051)...METAL GLAZE 51K 5% 1/8W
R513	1-216-246-00	(5040/5050/5052)..... METAL GLAZE 100K 5% 1/8W
R514	1-216-065-00	(5051)...METAL GLAZE 4.7K 5% 1/10W
R515	1-216-222-00	(5051)...METAL GLAZE 10K 5% 1/8W
R516	1-216-222-00	(5051)...METAL GLAZE 10K 5% 1/8W
R517	1-216-222-00	(5051)...METAL GLAZE 10K 5% 1/8W
R518	1-216-239-00	(5051)...METAL GLAZE 51K 5% 1/8W
R520	1-216-111-00	METAL GLAZE 390K 5% 1/10W
R521	1-216-085-00	METAL GLAZE 33K 5% 1/10W
R522	1-216-070-00	METAL GLAZE 7.5K 5% 1/10W
R523	1-216-058-00	METAL GLAZE 2.4K 5% 1/10W
R524	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R525	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R526	1-216-021-00	METAL GLAZE 68 5% 1/10W
R527	1-216-064-00	METAL GLAZE 4.3K 5% 1/10W
R551	1-249-441-11	CARBON MELF 100K 5% 1/5W
R552	1-249-413-11	CARBON MELF 470 5% 1/5W
R550	1-249-323-11	CARBON MELF 100 5% 1/8W
R553	1-249-435-11	CARBON MELF 33K 5% 1/5W
R554	1-249-437-11	(5051)...CARBON MELF 47K 5% 1/5W
R555	1-249-433-11	(5051)...CARBON MELF 22K 5% 1/5W
R556	1-249-422-11	CARBON MELF 2.7K 5% 1/5W
R601	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R602	1-249-424-11	CARBON MELF 3.9K 5% 1/5W
R603	1-249-413-11	CARBON MELF 470 5% 1/5W
R604	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R605	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R606	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R607	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R621	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R622	1-249-424-11	CARBON MELF 3.9K 5% 1/5W
R623	1-249-413-11	CARBON MELF 470 5% 1/5W
R624	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R625	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R626	1-249-074-11	CARBON MELF 1.1 5% 1/5W

Ref.No.	Part No.	Description
R627	1-249-074-11	CARBON MELF 1.1 5% 1/5W
R651	1-249-417-11	CARBON MELF 1K 5% 1/5W
R652	1-249-417-11	CARBON MELF 1K 5% 1/5W
R701	1-249-438-11	CARBON MELF 56K 5% 1/5W
R702	1-249-436-11	CARBON MELF 39K 5% 1/5W
R703	1-249-435-11	CARBON MELF 33K 5% 1/5W
R705	1-249-437-11	CARBON MELF 47K 5% 1/5W
R706	1-249-426-11	CARBON MELF 5.6K 5% 1/5W
R707	1-215-481-00	(5052)...CARBON MELF 330K 5% 1/5W
R708	1-215-481-00	CARBON MELF 330K 5% 1/5W
R709	1-215-481-00	CARBON MELF 330K 5% 1/5W
R710	1-215-481-00	CARBON MELF 330K 5% 1/5W
R711	1-215-481-00	CARBON MELF 330K 5% 1/5W
R712	1-215-481-00	(5052)...CARBON MELF 330K 5% 1/5W
R713	1-249-438-11	CARBON MELF 56K 5% 1/5W
R714	1-249-429-11	CARBON MELF 10K 5% 1/5W
R715	1-249-417-11	CARBON MELF 1K 5% 1/5W
R716	1-249-423-11	(5040/5050/5052) ...CARBON MELF 3.3K 5% 1/5W
R717	1-249-419-11	CARBON MELF 1.5K 5% 1/5W
R718	1-215-493-00	(5040/5050/5052) ...CARBON MELF 1M 5% 1/5W
R719	1-249-366-11	(5051)...CARBON MELF 0 5% 1/5W
R719	1-249-419-11	(5040/5050/5052) ...CARBON MELF 1.5K 5% 1/5W
R720	1-249-421-11	(5040/5050/5052) ...CARBON MELF 2.2K 5% 1/5W
R720	1-215-424-00	(5051)...CARBON MELF 1.3K 5% 1/5W
R721	1-249-412-11	(5050/5051/5052) ...CARBON MELF 390 5% 1/5W
R722	1-249-412-11	(5050/5051/5052) ...CARBON MELF 390 5% 1/5W
R723	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R724	1-249-393-11	CARBON MELF 10 5% 1/5W
R725	1-249-438-11	CARBON MELF 56K 5% 1/5W
R751	1-249-416-11	CARBON 820 5% 1/4W
R752	1-249-416-11	CARBON 820 5% 1/4W
R753	1-249-416-11	CARBON 820 5% 1/4W
R754	1-247-822-11	CARBON 430 5% 1/4W
R801	1-216-185-00	METAL GLAZE 300 5% 1/8W
R802	1-216-184-00	METAL GLAZE 270 5% 1/8W
R803	1-216-185-00	METAL GLAZE 300 5% 1/8W
R804	1-216-184-00	METAL GLAZE 270 5% 1/8W
R805	1-216-181-00	METAL GLAZE 200 5% 1/8W
R806	1-216-182-00	METAL GLAZE 220 5% 1/8W
R807	1-216-196-00	METAL GLAZE 820 5% 1/8W
R808	1-216-196-00	METAL GLAZE 820 5% 1/8W
R851	1-249-437-11	(5052)...CARBON MELF 47K 5% 1/5W
R852	1-249-425-11	(5052)...CARBON MELF 4.7K 5% 1/5W
R853	1-249-441-11	(5052)...CARBON MELF 100K 5% 1/5W
R854	1-249-412-11	(5052)...CARBON MELF 390 5% 1/5W
R855	1-215-489-00	(5052)...CARBON MELF 680K 5% 1/5W
R856	1-215-477-00	(5052)...CARBON MELF 220K 5% 1/5W
R857	1-249-439-11	(5052)...CARBON MELF 68K 5% 1/5W
R858	1-249-434-11	(5052)...CARBON MELF 27K 5% 1/5W
R859	1-249-441-11	(5052)...CARBON MELF 100K 5% 1/5W
R860	1-249-393-11	(5052)...CARBON MELF 10 5% 1/5W

Ref.No.	Part No.	Description
R861	1-215-489-00	(5052)...CARBON MELF 680K 5% 1/5W
R862	1-249-441-11	(5052)...CARBON MELF 100K 5% 1/5W
R863	1-249-435-11	(5052)...CARBON MELF 33K 5% 1/5W
R864	1-249-427-11	(5052)...CARBON MELF 6.8K 5% 1/5W
R865	1-249-429-11	(5052)...CARBON MELF 10K 5% 1/5W
R866	1-249-435-11	(5052)...CARBON MELF 33K 5% 1/5W
R867	1-249-436-11	(5052)...CARBON MELF 39K 5% 1/5W
R868	1-249-423-11	(5052)...CARBON MELF 3.3K 5% 1/5W
R869	1-249-035-00	(5052)...CARBON MELF 680 5% 1/5W
R870	1-215-473-00	(5052)...CARBON MELF 150K 5% 1/5W
R871	1-249-437-11	(5052)...CARBON MELF 47K 5% 1/5W
R872	1-249-429-11	(5052)...CARBON MELF 10K 5% 1/5W
R873	1-249-441-11	(5052)...CARBON MELF 100K 5% 1/5W
R874	1-249-429-11	(5052)...CARBON MELF 10K 5% 1/5W
R875	1-249-397-11	(5052)...CARBON MELF 22 5% 1/5W
RB701	1-232-911-11	COMPOSITION CIRCUIT BLOCK
RC1	1-235-832-11	ENCAPSULATED COMPONENT(FILTER)
RV1	1-230-631-71	RES, ADJ, CARBON 22K (FM AUTO-SCAN STOP LEVEL)
RV2	1-230-633-71	RES, ADJ, CARBON 47K (STEREO AUTO HI-BLEND)
RV3	1-230-630-71	RES, ADJ, CARBON 10K (FM STEREO SEPARATION)
RV321	1-238-524-11	RES, VAR (WITH SWITCH)(VOL)
RV322	1-228-995-00	(5052)...RES, ADJ, CARBON 22K (SDK VOLUME)
RV501	1-230-891-11	RES, ADJ, CARBON 20K (AM AUTO-SCAN STOP LEVEL)
RV651	1-238-523-11	RES, VAR 100K (BASS)
RV652	1-238-523-11	RES, VAR 100K (TREBLE)
RV851	1-230-930-11	(5052)...RES, ADJ, CARBON 220 (SDK)
S321	1-238-524-11	RES, VAR (WITH SWITCH)(POWER)
S701	1-553-510-00	(5040/5050:E)...SWITCH, SLIDE (9K/10K)
S751	1-570-643-21	SWITCH, PUSH (LOUD)
S752	1-570-643-21	SWITCH, PUSH (AMS)
S753	1-570-643-21	SWITCH, PUSH (METAL)
S801	1-554-813-41	SWITCH, KEY BOARD (M.SCAN/A.MEM)
S802	1-554-813-41	SWITCH, KEY BOARD (4)
S803	1-554-813-41	SWITCH, KEY BOARD (BAND)
S804	1-554-813-41	SWITCH, KEY BOARD (MONO)
S805	1-554-813-41	SWITCH, KEY BOARD (3)
S806	1-554-813-41	SWITCH, KEY BOARD (LOCAL)(SDK)
S807	1-554-813-41	SWITCH, KEY BOARD (MANUAL -)
S808	1-554-813-41	SWITCH, KEY BOARD (SEEK -)
S809	1-554-813-41	SWITCH, KEY BOARD (2)
S810	1-554-813-41	SWITCH, KEY BOARD (6)
S811	1-554-813-41	SWITCH, KEY BOARD (MENUAL +)
S812	1-554-813-41	SWITCH, KEY BOARD (SEEK +)
S813	1-554-813-41	SWITCH, KEY BOARD (1)
S814	1-554-813-41	SWITCH, KEY BOARD (5)
S901	1-554-814-11	SWITCH, SLIDE (FOW/REV)
S902	1-571-522-11	SWITCH, LEAF (MUTE)
S903	1-554-790-11	SWITCH, POWER (TAPE/RADIO)
T1	1-404-856-11	COIL, DISCRIMINATOR (FM)
T501	1-404-857-11	TRANSFORMER, IF (AM)
T502	1-404-817-11	TRANSFORMER, IF (AM)
T503	1-426-272-11	(5051)...COIL, LW RF (PRI)
T504	1-426-386-11	COIL (RF)
T505	1-426-233-11	COIL, MW RF (SEC)
T506	1-426-271-11	(5051)...COIL, LW RF (SEC)
T507	1-406-300-11	COIL (OSC)
T508	1-406-338-11	(5051)...COIL (OSC)
X1	1-567-250-11	OSCILLATOR, CERAMIC (19kHz)
X501	1-527-981-00	FILTER, CERAMIC
X701	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz)

ACCESSORY & PACKING MATERIAL

	1-574-600-11	(5040)...CORD (WITH CONNECTOR)
	3-302-126-01	(5050/5051/5052)...SCREW, TAPPING (DIA. 5X20)
	3-310-655-01	SUPPORT (ND), FITTING
	3-323-208-01	BUSHING, RUBBER
	3-323-206-01	(5040)...STOPPER (LARGE)
	3-323-209-01	(5040)...BOLT (4-5), STUD
	3-323-210-01	(5040)...ADJUSTOR, STUD BOLT
	3-323-219-01	(5040)...FRAME, FITTING
	3-336-617-01	(5040)...BAG, PROTECTION
	3-339-403-01	(5040)...SPRING
	3-339-416-01	(5040)...COLLAR
	3-340-687-01	(5050/5051/5052)...KNOB (HANDLE FITTING)
*3	3-340-684-01	(5050/5051/5052)...CUSHION(LEFT & RIGHT)
*3	3-340-690-01	(5040).....CUSHION(LEFT & RIGHT)
	3-351-909-01	(5050:AEP)...INDIVIDUAL CARTON
	3-351-911-01	(5051).....INDIVIDUAL CARTON (T)
	3-351-911-11	(5051).....INDIVIDUAL CARTON (M)
	3-351-913-01	(5052).....INDIVIDUAL CARTON
	3-351-915-01	(5040).....INDIVIDUAL CARTON
	3-351-961-01	(5050:E).....INDIVIDUAL CARTON
*3	3-704-281-01	(5050/5051/5052)...BAG, PROTECTION (STANDARD)
	3-750-063-11	(5050/5051/5052)...MANUAL, INSTRUCTION
	3-750-063-41	(5050:AEP).....MANUAL, INSTRUCTION
	3-750-063-51	(5040/5050:E).....MANUAL, INSTRUCTION
	3-750-064-11	(5050/5051/5052)...MANUAL, INSTRUCTION
	3-750-064-41	(5050).....MANUAL, INSTRUCTION
	3-750-064-51	(5040).....MANUAL, INSTRUCTION
*3	3-764-869-11	(5052).....MANUAL, INSTRUCTION
*3	3-764-805-21	(5050/5051/5052)...INSTRUCTION (T)
*3	3-764-805-31	(5050/5051/5052)...INSTRUCTION (M)
	3-765-460-11	(5052)...INSTRUCTION, DBP CAUTION
	7-621-255-20	(5050/5051/5052)...SCREW +P 2X4
	7-682-183-01	(5050/5051/5052)...SCREW +P 5X40
	7-684-025-04	(5050/5051/5052)...N 5, TYPE 2
	X-3320-524-1	(5040)...SCREW ASSY (A)

English
89C0245-1
Printed in Japan
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Published by A/V Engineering Service Dept.